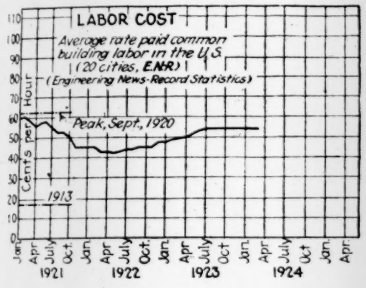
CONSTRUCTION NEWS

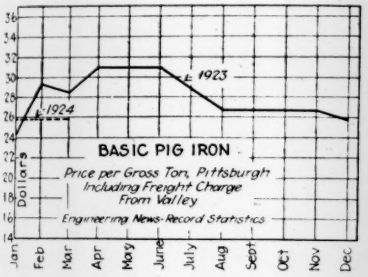
Engineering News-Record, March 6, 1924

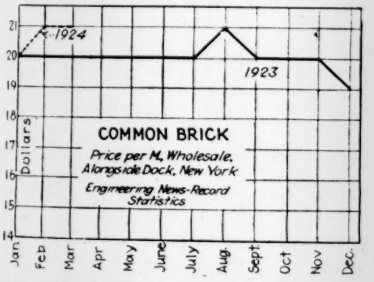
The Construction Barometer

General Cost Slightly Above Month Ago—Usual Spring Advances Checked by Light Buying

FOR the last month buyers quite generally have limited purchases to immediate requirements and not to replenish stocks. This has prevented the price rises which are to be expected in early March. Compared with a year ago, brick, steel and common labor are higher while pig iron and pine lumber are lower. Cement and fir timbers are at about the same price level as last year.







Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Feb. 14	$7,624,000	$11,004,000	$18,628,000
Feb. 21	15,802,000	38,386,000	54,188,000
Feb. 28	18,333,000	30,839,000	49,172,000
3 weeks	$41,759,000	$80,229,000	$121,988,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

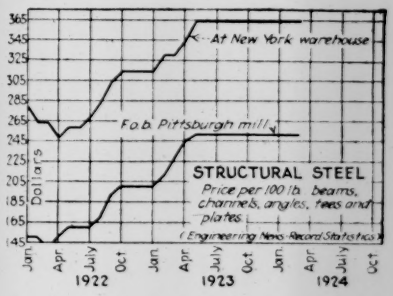
Week Ended	Public No.	Public Work	Private No.	Private Work
Feb. 14	5	$1,140,000	24	$8,118,000
Feb. 21	7	4,154,000	38	31,438,000
Feb. 28	22	6,556,000	47	14,061,000
3 Weeks	34	$11,850,000	109	$53,617,000

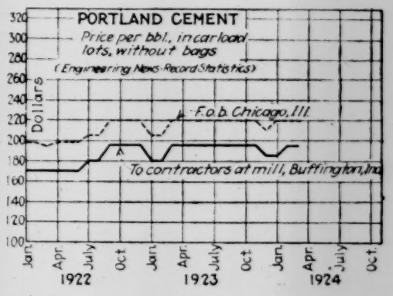
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

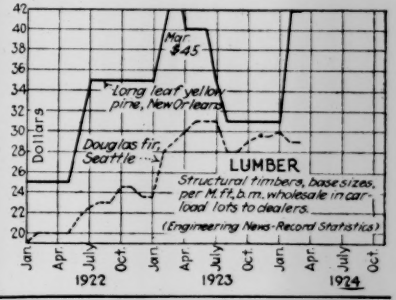
Week Ended	Private	Public All	Public Streets and Roads	Public Waterworks and Sewers	Public All Buildings
Feb. 14	28	174	40	36	52
Feb. 21	39	192	54	31	56
Feb. 28	41	188	61	33	60

PINE LUMBER AND COMMON LABOR HIGHER—OTHER BASIC MATERIALS FIRM

	Quoted on Mar. 6 at	Price Was	On
Structurals, Pittsburgh, 100 lb	$2.40 @ 2.50	$2.35 @ 2.50	Feb. 7
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M. ft.	65.00	62.00	Feb. 28
Fir, San Fran., M. ft.	36.00	38.00	Jan. 24
Common labor, hr	.55	.54	Feb. 28







PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Mar. 10	Toledo, O.	Feb. 21
Mar. 10	Sanford, Fla.	Feb. 28
Mar. 11	Kansas City, Mo.	Feb. 21
Mar. 12	Reading, Pa.	Feb. 28
Mar. 12	Hammond, Ind. Adv. Mar. 6.	Mar. 6
Mar. 12	Cleveland, O.	Mar. 6
Mar. 12	Baltimore, Md.	Mar. 6
Mar. 12	Arkansas City, Kan.	Mar. 6
Mar. 13	Kansas City, Mo.	Feb. 21
Mar. 14	Phillips, Wis.	Mar. 6
Mar. 14	Woodward, Okla.	Mar. 6
Mar. 17	Black River Falls, Wis.	Feb. 21
Mar. 17	Wortham, Tex.	Feb. 28
Mar. 17	Kohler, Wis.	Feb. 28
Mar. 18	Mount Prospect, Ill.	Feb. 14
Mar. 19	Silver Creek, N. Y. Adv. Mar. 6.	Mar. 6
Mar. 20	Austin, Tex. Adv. Mar. 6.	Mar. 6
Mar. 24	Park Ridge, N. J. Adv. Mar. 6.	Mar. 6
Mar. 26	Litchfield, Ill.	Feb. 21
Mar. 27	Dunn, N. C. Adv. Mar. 6.	Mar. 6
Mar. 27	Newberry, S. C. Adv. Mar. 6.	Mar. 6

SEWERS

Bids Close		See Eng. News-Record
Mar. 7	Millville, N. J.	Feb. 28
Mar. 10	Ellwood City, Pa.	Feb. 28
Mar. 10	Toledo, O.	Feb. 21
Mar. 10	Long Branch, Ont.	Mar. 6
Mar. 12	Jackson, Mich.	Feb. 21
Mar. 12	Cleveland, O.	Mar. 6
Mar. 12	Baltimore, Md.	Mar. 6
Mar. 12	Festus, Mo.	Mar. 6
Mar. 12	East Cleveland (Cleveland P. O.), O.	Mar. 6
Mar. 13	New York, N. Y.	Mar. 6
Mar. 18	Hartford, Conn. Adv. Mar. 6.	Mar. 6
Apr. 1	Toledo, O. Adv. Mar. 6.	Mar. 6

WASTE DISPOSAL

Bids Close		See Eng. News-Record
Mar. 18	Toronto, Ont.	Feb. 21

BRIDGES

Bids Close		See Eng. News-Record
Mar. 7	Georgia	Mar. 6
Mar. 10	Jacksonville, Fla.	Mar. 6
Mar. 10	St. Anne de Bellevue, Que.	Jan. 31
Mar. 11	Nashville, Tenn.	Feb. 21
Mar. 11	Concordia, Kan.	Feb. 21
Mar. 11	Toledo, Ia.	Mar. 6
Mar. 12	Oskaloosa, Kan.	Feb. 28
Mar. 12	Madison, Wis.	Mar. 6
Mar. 14	Springfield, Mass. Adv. Feb. 21 to Mar. 6.	Feb. 21
Mar. 18	Nevada, Ia.	Mar. 6
Mar. 19	Sullivan, Me.	Feb. 21
Mar. 19	Greenwood, Miss.	Feb. 28
Mar. 19	Phila., Pa. Adv. Feb. 21 to Mar. 6.	Feb. 21

Bids Close		See Eng. News-Record
Mar. 19	Alabama	Feb. 28
Mar. 20	Charleston, S. D.	Feb. 21
Mar. 20	Blakely, Minn.	Mar. 6
Mar. 25	Springfield, Mass. Adv. Mar. 6.	Mar. 6
Mar. 27	Buffalo, N. Y.	Mar. 6
Mar. 31	Houston, Tex.	Mar. 6
Mar. 31	Alabama	Mar. 6
Apr. 1	Portland, Ore. Adv. Mar. 6.	Mar. 6
May 1	**Tientsen, North China**	**Oct. 11**

DAMS

Mar. 27	Tacoma, Wash. Adv. Feb. 28 and Mar. 6.	Mar. 6

RAILWAYS

Mar. 18	**New Zealand**	**Sept. 20**
Apr. 1	Indiana	Jan. 24

EXCAVATION, DRAINAGE IRRIGATION

Mar. 11	Glens Falls, N. Y. Adv. Feb. 14 to Mar. 6.	Feb. 21
Mar. 12	Gallatin, Mo.	Mar. 6
Mar. 13	Jersey City, N. J.	Feb. 28
Mar. 18	Oconto, Wis.	Feb. 28
Mar. 18	Green Bay, Wis.	Mar. 6

STREETS AND ROADS

Mar. 7	New Hampshire	Mar. 6
Mar. 7	Pennsylvania	Feb. 21
Mar. 7	Georgia	Mar. 6
Mar. 10	Huntington, W. Va.	Mar. 6
Mar. 10	Wichita, Kan.	Mar. 6
Mar. 10	Clarksburg, W. Va.	Mar. 6
Mar. 10	Wichita Falls, Wis.	Feb. 21
Mar. 10	Southmont, Pa.	Feb. 28
Mar. 10	White Plains, N. Y.	Feb. 28
Mar. 10	Michigan	Feb. 28
Mar. 10	Buckhannon, W. Va.	Feb. 28
Mar. 10	St. Petersburg, Fla.	Feb. 28
Mar. 10	Evansville, Ind.	Mar. 6
Mar. 10	Two Harbors, Ind.	Mar. 6
Mar. 10	Peoria, Ill.	Mar. 6
Mar. 10	Jersey City, N. J.	Mar. 6
Mar. 11	Antigo, Wis.	Feb. 7
Mar. 11	Fairport, N. Y. Adv. Feb. 14 to Mar. 6.	Feb. 14
Mar. 11	Corsicana, Tex.	Feb. 14
Mar. 11	Maryland Adv. Feb. 28 and Mar. 6.	Feb. 28
Mar. 11	Columbus, O.	Mar. 6
Mar. 11	Buffalo, N. Y.	Mar. 6
Mar. 11	Asbury Park, N. J.	Mar. 6
Mar. 11	Washington, Pa.	Mar. 6
Mar. 11	Colorado	Mar. 6
Mar. 11	Angleton, Tex.	Mar. 6
Mar. 12	Baltimore, Md.	Mar. 6
Mar. 12	Delaware	Feb. 21
Mar. 12	Salina, Kan.	Feb. 21
Mar. 12	Starksville, Miss.	Feb. 28
Mar. 12	Virginia	Feb. 28
Mar. 12	Monticello, Ill.	Feb. 28
Mar. 12	Syracuse, N. Y.	Feb. 28
Mar. 12	Sioux Falls, S. D.	Feb. 28
Mar. 12	Madison, Wis.	Mar. 6
Mar. 12	Brooklyn, N. Y.	Mar. 6
Mar. 13	Iuka, Miss.	Feb. 28
Mar. 13	Port Washington, Wis.	Mar. 6
Mar. 13	New York, N. Y.	Mar. 6
Mar. 14	New York, N. Y.	Mar. 6
Mar. 14	Kilbourn, Wis.	Mar. 6
Mar. 14	Fond du Lac, Wis.	Mar. 6
Mar. 14	New York Adv. Feb. 28 and Mar. 6.	Feb. 28
Mar. 14	Canton, Tex.	Mar. 6
Mar. 14	West Allis, Wis. Adv. Mar. 6.	Mar. 6
Mar. 14	Ohio	Mar. 6
Mar. 15	Decatur, Ala.	Feb. 28
Mar. 15	Geneva, Ill.	Feb. 28
Mar. 17	St. Paul, Minn.	Feb. 28
Mar. 17	Pennsylvania Adv. Feb. 28 and Mar. 6.	Feb. 28
Mar. 17	Buffalo, N. Y.	Mar. 6
Mar. 17	California	Mar. 6
Mar. 17	Los Angeles, Calif.	Mar. 6
Mar. 17	Cape Girardeau, Mo.	Mar. 6
Mar. 17	Chehalis, Wash.	Mar. 6
Mar. 17	Akron, O.	Mar. 6
Mar. 17	Burgin, Ky.	Mar. 6
Mar. 18	Juneau, Wis.	Mar. 6
Mar. 18	Washington	Feb. 7
Mar. 18	Ontario	Feb. 28
Mar. 18	Starke, Fla.	Mar. 6
Mar. 18	Michigan	Mar. 6
Mar. 18	Indiana	Mar. 6
Mar. 18	Trenton, N. J. Adv. Mar. 6.	Mar. 6
Mar. 20	Louisiana	Mar. 6
Mar. 21	Cresson, Pa. Adv. Mar. 6.	Mar. 6
Mar. 21	Alabama	Mar. 6
Mar. 22	Kansas City, Kan.	Feb. 28
Mar. 24	Moorhead, Minn.	Mar. 6
Mar. 25	Washington	Feb. 28
Mar. 26	New London, Conn. Adv. Mar. 6.	Mar. 6
Mar. 26	Delaware Adv. Mar. 6.	Mar. 6
Mar. 26	Providence, R. I. Adv. Mar. 6.	Mar. 6
Apr. 1	St. Louis, Mo.	Mar. 6

INDUSTRIAL WORKS

Mar. 10	Enid, Okla.	Mar. 6
Mar. 13	Corning, N. Y.	Feb. 28
Mar. 15	Milwaukee, Wis.	Mar. 6
Mar. 26	Morris Plains, N. J.	Mar. 6
May 21	Wellington, New Zealand	Jan. 10

BUILDINGS

Mar. 7	Toledo, O.	Feb. 28
Mar. 7	Brooklyn, N. Y.	Feb. 14
Mar. 7	New York, N. Y.	Feb. 14
Mar. 7	Phila., Pa.	Mar. 6
Mar. 7	Camp Hill, Pa.	Mar. 6
Mar. 8	Madison, Wis.	Feb. 28
Mar. 8	Olney Sta. (Phila. P. O.), Pa.	Mar. 6
Mar. 9	Port Huron, Mich.	Feb. 28
Mar. 10	Detroit, Mich.	Feb. 21
Mar. 10	Louisville, Ky.	Feb. 28
Mar. 10	Biloxi, Miss.	Feb. 28
Mar. 10	Northville, Mich.	Feb. 28
Mar. 10	Minneapolis, Minn.	Feb. 28
Mar. 10	Phila., Pa.	Mar. 6
Mar. 10	Kenosha, Wis.	Mar. 6
Mar. 10	Milwaukee, Wis.	Mar. 6
Mar. 11	Sumter, S. C.	Feb. 21
Mar. 11	Brooklyn, N. Y.	Feb. 21
Mar. 11	Brooklyn, N. Y.	Mar. 6
Mar. 12	Falls City, Neb.	Feb. 21
Mar. 12	Leavenworth, Kan.	Feb. 28
Mar. 12	Mineral Point, Wis.	Mar. 6
Mar. 12	Grosse Pointe Park (mail Grosse Pointe, branch Detroit P. O.), Mich.	Mar. 6
Mar. 12	Hammond, Ind.	Mar. 6
Mar. 12	Massillon, O.	Mar. 6
Mar. 14	New Orleans, La.	Mar. 6
Mar. 14	Findlay, O.	Mar. 6
Mar. 15	Bradford, Pa.	Feb. 21
Mar. 15	Barberton, O.	Feb. 28
Mar. 15	Atlantic City, N. J.	Mar. 6
Mar. 15	Madison, Wis.	Feb. 28
Mar. 15	Louisville, Ky.	Mar. 6
Mar. 16	Michigan City, Ind.	Mar. 6
Mar. 17	Minneapolis, Minn.	Feb. 28
Mar. 17	Green Bay, Wis.	Feb. 28
Mar. 17	Mendota, Wis.	Feb. 28
Mar. 17	Troy, N. Y.	Feb. 21
Mar. 17	North Plainfield (Watchung P. O.), N. J.	Feb. 21
Mar. 17	Louisville, Ky.	Mar. 6
Mar. 18	Colma, Calif.	Mar. 6
Mar. 18	Newark, O.	Mar. 6
Mar. 18	Montclair, N. J.	Mar. 6
Mar. 18	Orange, Mass.	Mar. 6
Mar. 19	Burlington, Wis.	Mar. 6
Mar. 19	Baltimore, Md.	Mar. 6
Mar. 20	Gilbert, Minn.	Mar. 6
Mar. 21	Lockport, N. Y.	Feb. 21
Mar. 21	Troy, N. Y.	Mar. 6
Mar. 24	Easton, Pa.	Feb. 28
Mar. 24	St. Louis, Mo.	Mar. 6
Mar. 24	Phila., Pa.	Mar. 6
Mar. 25	Stony Creek Mills, Pa.	Mar. 6
Mar. 26	Somerville, N. J.	Feb. 21
Mar. 26	Buffalo, N. Y.	Mar. 6
Mar. 28	Pueblo, Colo.	Mar. 6
Apr. 1	Duluth, Minn.	Feb. 7
Apr. 1	Atlantic City, N. J.	Feb. 7
Apr. 1	Brainerd, Minn.	Feb. 28
Apr. 1	San Bernardino, Calif.	Mar. 6
May 1	Youngstown, O.	Feb. 7

FEDERAL GOVERNMENT WORK

Mar. 10	Road Graders, etc.—Ft. Bragg, N. C.	Mar. 6
Mar. 11	Hospital—Pikesville, Ky.	Feb. 21
Mar. 12	Riprap — Mare Island, Calif.	Feb. 28
Mar. 13	Extension to Slip—New York, N. Y.	Mar. 6
Mar. 14	Sand Pump and Boiler Feed Pump—Memphis, Tenn. Adv. Feb. 21 to Mar. 6.	Feb. 21
Mar. 17	Canal—Klamath Falls, Ore.	Feb. 21
Mar. 18	Post Office—Dubois, Pa. Adv. Feb. 28 and Mar. 6.	Feb. 28
Mar. 19	Breakwater Pier—Hampton Roads, Va.	Mar. 6
Mar. 19	Foundations—Phila., Pa.	Mar. 6
Mar. 20	Boats—Wash., D. C.	Feb. 28
Mar. 20	Dike and Sluice—Killochook Meadows, N. J.	Feb. 28
Mar. 21	Reservoirs—Wash., D. C. Adv. Feb. 21 to Mar. 6.	Feb. 21
Mar. 22	Generators—Florence, Ala.	Feb. 14
Mar. 22	Generators—Sheffield, Ala.	Feb. 28
Mar. 25	Road Work, etc.—Fort Wright, (Fishers Island P. O.), N. Y.	Mar. 6
Mar. 28	Ice and Refrigerating Plant —Livermore, Calif.	Feb. 14
Mar. 28	Dredging — Providence, R. I. Adv. Feb. 28 and Mar. 6.	Feb. 28
Apr. 2	Roads—Phoenix, Ariz.	Mar. 6

UNCLASSIFIED

Mar. 11	Tunnels, etc. — Sonyea, N. Y. Adv. Feb. 28 and Mar. 6.	Feb. 28
Mar. 11	Rip Rap—Scotia, N. Y. Adv. Feb. 14 to Mar. 6.	Feb. 14
Mar. 11	Rein.-con. Floor—Buffalo, N. Y.	Mar. 6
Mar. 11	Power and Lighting System —Baltimore, Md. Adv. Mar. 6.	Mar. 6
Mar. 12	Sanitary Work—Binghamton, N. Y. Adv. Feb. 21 to Mar. 6.	Feb. 21
Mar. 15	Steel Hull, etc.—Portland, Ore.	Feb. 14
Mar. 22	Steel Shed—Charleston, S. C. Adv. Mar. 6.	Mar. 6
Mar. 26	Chimney—Chimney Rock, N. C.	Mar. 6
Mar. 31	Hopper Dredge — Brisbane, Queensland, Australia	Nov. 1
Apr. 30	Headworks—Wellington, New Zealand	Dec. 13

MATERIAL AND EQUIPMENT

Mar. 7	Paving Stone, etc.—Buffalo, N. Y.	Feb. 28
Mar. 10	Rock—Jacksonville, Fla.	Mar. 6
Mar. 10	Lumber—Waterloo, Ia.	Mar. 6
Mar. 10	Rip Rap—New York, N. Y.	Mar. 6
Mar. 10	Lime—Long Island City, N. Y.	Mar. 6
Mar. 11	Lumber—Toledo, Ia.	Mar. 6
Mar. 11	Freight Handling Equipment —Tampa, Fla.	Feb. 14
Mar. 11	Paving Materials—St. Paul Minn.	Mar. 6
Mar. 11	Oil and Tar—Trenton, N. J.	Mar. 6
Mar. 11	Clamshell Bucket and Sidewalk Tile—St. Paul, Minn.	Mar. 6
Mar. 13	Cement, etc.—Cape May, N. J. Adv. Mar. 6.	Mar. 6
Mar. 17	Scarifying Grader—Winona, Minn.	Mar. 6
Mar. 19	Tractor—Benson, Minn.	Feb. 7
Mar. 28	Cement—Alabama	Mar. 6
May 6	Asphalt, etc.—Holyoke, Mass.	Mar. 6

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

New York—Consolidated Water Co., 712 Washington St., Utica, purchased Hinckley Corp. of Hinckley, N. Y., plans filtration plant at Hinckley with 54 in. supply line to city of Utica. $2,250,000.

N. J., Hammonton—Water Comn. plans 2 electrically driven pumping units, compressors and other apparatus at pumping station. $14,000. W. R. Seely, town clk.

Miss., Meridian—Voted $80,000 bonds for improvements, incl. reservoir, pumps, pipes, etc. Noted Jan. 10.

Tenn., Greenville—Voted $45,000 bonds for completion water plant, incl. new mains, extensions, etc.

Tenn., Jackson—Election soon $150,000 bonds, enlarging waterworks, extending mains, etc. L. Taylor, mayor.

Tenn., Lowrenceburg—Election Apr. 14, $25,000 bonds, waterworks.

Tenn., Morristown—Plans extensions and improvements to waterworks, incl. electrically operated pumps. $105,000. J. F. Mather, supt. Water Dept.

Tenn., Nashville—Bd. Pub. Wks. plans to relay 6-in. c.i. mains in 8 streets. $18,000. H. Reyer, supt. of waterworks.

O, Columbus—See "Streets and Roads."

Mich., Berkley—Having plans prepared new water system, pumping station, etc. $260,000. R. A. Murdoch, 603 Free Press Bldg., Detroit, engr.

Ill., Springfield—Apr. 1 to vote on $300,000 bonds, filtration plant and additional settling basins, etc. W. J. Spaulding, City Hall, comr.

Wis., Eau Claire—Making preliminary plans 3 m.g. rein.-con. reservoir. $35,000. L. P. Wolff, 1000 Guardian Life Bldg., St. Paul, Minn., engr. Noted Jan. 17.

Wis., Madison—Common Council appropriated $15,000 to enlarge old wells on east side and purchase additional pumping equipment for well No. 13. L. A. Smith, supt. Engineer not selected.

Wis., Phillips—Rejected bids waterworks improvements, steel tank on steel tower, 2 electric pumps, automatic control valve, etc. Druar & Mininowski, 500 Globe Bldg., St. Paul, engrs. Noted Jan. 31.

Waterworks (Continued)

Ia., Marshalltown—Election soon $300,000 bonds new waterworks. O. G. Hern, Marshalltown, engr.

Tex., Brady—Plans election $100,000 bonds, waterworks. Address E. J. Adkins, city secy. Engineer not announced.

Tex., Ft. Worth—See "Dam."

Tex., Ft. Worth—See "Streets and Roads."

Okla., Apperson—Defeated $85,000 bonds for new waterworks. R. Flood, Drumright, engr. Noted Feb. 7.

Okla., Newkirk—Election Mar. 14, $100,000 bonds, new pipe line, wells, motor driven centrifugal pumps, transmission line, mains, valves, and hydrants. H. E Musson, Grain Exch. Bldg., Oklahoma City, engr. Noted Jan. 24.

Okla., Oklahoma City—Pumps—Huckins Hotel Co., 20-22 North Bway., plans to purchase and install 2 motor driven deep well pumping units. $10,000.

Okla., Shidler—Voted $125,000 bonds new waterworks system incl. pumping station, mains, tank, etc. Gantt-Baker Co., 1st Natl. Bank Bldg., Oklahoma City, engrs.

Okla., Tipton — Plans new waterworks and fire trench equipment, 15,000 ft. 4- to 8-in. c.i. pipe. $30,000. J. D. Bomford, Enid, engr.

Okla., Wewoka — Having surveys made new dam, pipe line, etc., to exceed $25,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Utah, Salt Lake City—Plans building and equipment for Upper Canal Pumping plant. $60,000. S. Q. Cannon, city engr.

Wash., Anacortes—Having surveys made waterworks improvements, incl. additional water supply, filters, etc. $100,000. Burns & McDonnell Eng. Co., 415 Marsh-Strong Bldg., Los Angeles, Calif., engrs. Noted Dec. 27.

Wash., Yakima—Will vote on bonds for water system. Former issue of $35,000 bonds found insufficient. C. F. Wilson, city engr.

Calif., Beverly Hills—Plans to vote on $150,000 bonds for purchasing and improving privately owned waterworks. Improvements to exceed $25,000. J. Albers, city engr.

Ont., Hamilton — Plans new reservoir. $100,000. W. L. McFaul, city engr.

Ont., Toronto—York Twp., 40 Jarvis St., plans 10,000 ft. 6 in. c.i. mains in Porter and Schell Aves. $25,000. Owners buy pipe and materials and let labor. F. B. Goldike, twp. engr.

BIDS DESIRED

N. Y., Silver Creek—Mar. 19, by Bd. Water Comrs., earthen dam, Div. 1; 21,000 ft. 14 in. c.i. pipe, and 45 tons 36 in. pipe, Div. 2. J. P. Wells, Cutler Bldg., Rochester, hydraulic engr.; adv. E. N.-R. Mar. 6.

N. J., Park Ridge—Mar. 24, by Mayor and Boro Council, furnishing and laying c.i. pipe, 300,000 gal. steel standpipe, and drilling two 12 in. artesian wells. H. J. Harder, 129 Market St., Paterson, engr.; adv. E. N.-R. Mar. 6. Noted Jan. 3.

Md., Baltimore—Mar. 12, by Bd. Awards, furnishing and delivering wrought iron pipe, couplings and malleable iron fittings to Water Dept. V. B. Siems, City Hall, water engr.

N. C., Dunn—Mar. 27, by J. L. Wade, mayor and Bd. Town Comrs., waterworks and sewerage improvements. Gilbert C. White Co., Durham, engrs.; adv. E. N.-R. Mar. 6.

S. C., Newberry—Mar. 27, by Comrs. Pub. Wks., City Hall, water supply system. P. H. Norcross, 1404 Candler Bldg., Atlanta, Ga., consult. eng.; adv. E. N.-R. Mar. 6.

O., Cleveland—Mar. 12, by Cuyahoga Co., 17,000 ft. 6 and 8 in. c.i. mains. Impvt. 42 of Co. Sewer Dist. 1. R. F. MacDowell, Court House, engr.

O., Cleveland—Taking bids motor driven centrifugal pumping unit.

O., Columbus—See "Streets and Roads."

Ind., Hammond—Mar. 12, at office of Bd. Pub. Wks., c.i., w.i. or steel pipe. E. W. Miles, clk. Water Dept.; adv. E. N.-R. Mar. 6.

Wis., Phillips—Mar. 14, by C. F. Scheel, city clk., waterworks improvements incl. steel tank on steel tower, 2 electric pumps and other mechanical equipment, also automatic control valves, etc. $15,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs. Noted Mar. 6.

Kan., Arkansas City—Mar. 12, by City Clerk, 20,055 ft. 4 in. class B c.i. pipe, 7,337 lb. B & S specials, thirty-four 4 in. gate valves and boxes, 21 fire hydrants, 23 connections, 200 meters, 2 deep wells, remote control house pump, etc. $50,000. D. Lawhe, City Hall, engr. Noted Nov. 1.

Mo., Festus—See "Sewers."

Tex., Austin—Mar. 20, by W. D. Yett, mayor and Councilmen, at office J. Hornsby, city clk., City Hall, filtration plant. C. E. Leonard, city engr.; adv. E. N.-R. Mar. 6.

Okla., Woodward—Mar. 14, by S. J. Dohren, city clk., 4 pumps, 1,275 g.p.m. against 200 ft. head, 1,250 g.p.m. against 175 ft. head, 1,275 g.p.m. against 175 ft. head, and 1,325 g.p.m. against 190 ft., head. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

BIDS RECEIVED

Conn., Wallingford—Bd. Water Comrs., Feb. 28, laying and carting 8,700 lin.ft. 18-in. Class C pipe (all materials furnished by Water Dept), 6-ft. trench with 400 lin. ft. in red rock and 900 lin.ft. wet trench from Zilly & Angelone, Hartford, $12,975. Noted Feb. 21.

N. Y., Brooklyn—Bd. Water Supply, Gas & Electricity, Municipal Bldg., New York, Feb. 26, mains in Ave. L 2nd Ave., 37th, 42nd, Bridge, Sands and Clinton Sts., from Wattaga Contg. Co., $129,756. Noted Feb. 21.

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., Feb. 28, centrifugal pumps and switchboard, etc., from A. J. Abels Co., Inc., Iroquois Bldg., $67,407. Noted Feb. 7.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Riverside Terrace, Bennett and 12th Aves., West 12th, West 40th, 46th and 186th Sts., also fire hydrants on existing mains in Ave. A, Bway., East Bway., Riverside Dr., Bayard, James, Madison, Oak, Water and West 153rd Sts., from W. J. Drummond, $41,781. Noted Feb. 21.

Calif., San Francisco — City and San Francisco Co., c.i. pipe, submarine portion Hetch Hetchy Aqueduct Bay Crossing Pipe Line, incl. 1,625 tons flexible joint pipe, 30 tons 42 in. bell and spigot pipe, one special pipe for west end, from Union Machine Co., 934 Brannan St., (1-c) $124 (2-c) $992; Bethlehem Shipbuilding Co., 18th and Illinois Sts. (1-a) $164.49 (2-c) $1,406; United States Cast Iron Pipe & Fdry. Co., Monadnock Bldg. (1-b) $119 (2-c) $1,800; gate valves for Hetch Hetchy project (Item 1) two 42 in. valves (1-a) two 42 in. (2) one 36 in. (2-a) one 36 in. (3) four 20 in. (1-b) two 42 in. (1b) two 42 in. (2-b) one 36 in. (2-b) one 36 in. (3) four 20 in., from Union Machine Co., 934 Brannan St. (1-a) $5,500 (2-a) $5,075 (3) $640 (1-b) $5,450 (2-b) $4,875 (3) $640; Pelton Water Wheel Co., Harrison and 19th Sts. (1) $5,138 (1-a) $5,826 (2) $4,810 (2-a) $5,808 (3) $1,037 (1-b) $5,135 (1-b) $5,740 (2-b) $4,802 (2-b) $5,650 (3) $1,035. Items from 1-b to 3 are conditioned upon bidder being awarded contract for all valves. Alternative bids were received on hand operated and water motor operated valves, suitable to working pressure 165 lb. per sq.in., to be double seated with flanged ends, 42 in. and 20 in. to have rising stems, 36 in. non rising stems. Noted Jan. 24 and Feb. 14.

CONTRACTS AWARDED

Vt., Enosburg Falls—Enosburg Falls Water Corp. will erect 140-ft. concrete dam by day labor; 30 x 60 ft. standpipe, to Chicago Bridge & Iron Wks., 210 Transportation Bldg., Chicago; laying 10,560 ft. 10-in. c.i. main, to Standard Cast Iron Pipe & Fdry. Co., Bristol, Pa. Engrs. est. $75,000.

Pa., Phila.—Dept. Pub. Wks., Room 216, City Hall, 48 in. steel water main to connect the West Phila. water supply system with main city system in Girard Ave. from 31st to 40th Sts., and across Schuylkill River on new steel trusses, under existing Girard Ave. Bridge, about 1 mi. long, to M. and J. B. McHugh, 892 North Warnock St., $247,007. Noted Feb. 7.

N. C., Greensboro—See "Waterworks."

Minn., Faribault—Furnishing 108 tons 6-in. and 13 tons 8-in. Class B c.i. pipe, 12-ft. lengths, and 8 tons fittings, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala. Noted Feb. 7.

Minn., Little Falls—City, installing 1,000 lin.ft. 6-in., 1,000 lin.ft. 8-in. and 2,000 lin.ft. 12-in. c.i. pipe, 7 gate valves and constructing pump house, to J. G. Anderson, Little Falls.

Minn., Minneapolis—Furnishing 126 tons reinforcing steel for Water Dept., to C. A. P. Turner Co., 627 1st Ave. N., $8,063. Noted Feb. 14.

Minn., St. Paul—H. W. Austin, city purch. agt., 120 tons c.i. pipe specials, to South Park Fdry. & Machine Co., 23 East Water St., $98 per ton; brass water gate valves to Crane Co. of Minnesota, 5th St. and Bway.; corporation cocks and curb cocks, to Mueller Mfg. Co., 512 West Cerro Gordo St., Decatur, Ill.; 9 x 60 ft. steel standpipe, to James McNeil & Bro. Co., 29th St., Pittsburgh, Pa.; 12 x 98 ft. standpipe, to Duluth Iron Wks., Duluth; 800 sq.yd. sandstone blocks, to Standstone Quarries Co., 510 Plymouth Bldg., Minneapolis, $2.74 per sq.yd. Noted Feb. 28.

Wyo., Casper—To Casper Supply Co., Center St. and Railroad Ave., 26,000 lin.ft. 4 in. c.i. pipe $73.98 per ton, 4,008 lin.ft. 6 in. and 6,360 lin.ft. 8 in. $69.98, etc., total $47,085. Noted Feb. 7.

Okla., Holdenville — New purification plant, 14,000 ft. 6 in. c.i. pipe, motor driven centrifugal pumps, to Votaw & Long, Holdenville, $63,396. Noted Feb. 21.

Okla., Shidler—Phillips Petroleum Co. earth dam and spillway 48,000 cu.yd. earth and 23,000 cu.yd. rock excav., to Cook & O'Brien, Railway Exchange Bldg., Kansas City, Mo., $59,207. Engrs. est. $100,000.

Calif., Pasadena—Quantity of c.i. pipe and fittings, to Pacific Pipe Supply Co., 1002 Santa Fe St., Los Angeles, $102,500.

Calif., Santa Cruz—Pipe and fittings, to Western Pipe & Steel Co., 444 Market St., San Francisco, $95,864.

Sewers

PROPOSED WORK

N. J., Bloomfield—Plans 8,600 ft. 6 and 8 in. tile sewers in Broad St., Watchung and Sunset Aves. $31,252. E. Baechlin, town engr.

Fla., Labelle—Plans to vote on $25,000 bonds for sewerage system. S. E. Stewart, Labelle, engr.

O., Columbus—See "Streets and Roads."

O., North Olmsted—Cuyahoga Co. (Cleveland) plans widening and extending Coe Ditch with tile and concrete, here $50,000. F. Lander, Court House, Cleveland, engr.

Ill., Bellwood — Soon takes bids West Side Sewer, 4,376 lin.ft. 39- to 48-in. concrete sewer, 44,394 ft. 8- to 36-in. D. S. vitr. tile sewer, 200 ft. 36-in. c.i. pipe, excavation, etc. $260,628. E. A. Rossiler, 127 North Dearborn St., Chicago, engr.

Ill., Glenview—Having preliminary surveys made sanitary sewerage system, probably 8- to 48-in. pipe, etc. $100,000. Marr-Green Co., 400 North Michigan Ave., Chicago, engrs.

Kan., Wichita—Soon takes bids 11,045 ft. 8 in. sewers and 54 manholes. $25,000. P. L. Brockway, City Bldg., engr.

Neb., Kearney—Voted $75,000 bonds for storm sewers. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs.

S. D., Salem—Plans sanitary sewerage system. $25,000. B. L. Hintz, city clk.

Mo., Cameron—Soon takes bids sewers and disposal plant. $70,000. Black & Veatch, 700 Mutual Bldg., Kansas City, engrs. Noted Jan. 3.

Mo., Carthage—Rejected bids Feb. 11, for 693 lin.ft. 18 in. c.i. and 6,227 ft. 18- to 24-in. clay or concrete pipe, Imhoff tank, trickling filter sludge bed, etc. $108,000. Will readvertise soon. Noted Jan. 31.

Okla., Apperson—Defeated $45,000 bonds 6 mi. sewerage system and disposal plant. R. Flood, Drumright, engr. Noted Feb. 7.

Calif., Long Beach—Having plans prepared sewage disposal plant, Dorr type of screen, each screen 10 m.g. daily capacity. R. D. Van Alstine, city engr.

Calif., San Fernando—Plans to vote on bonds (to exceed $25,000) for sewage disposal plant.

Ont., Guelph—Plans 9,000 ft. 12 in. trunk sewer. $55,000. H. S. Nicklin, city engr.

BIDS DESIRED

Conn., Hartford—Mar. 18, by Bd. Contact & Supply at Mayors office, Municipal Bldg., sewers in Granby St. et al. R. N. Clark, city engr.; adv. E. N.-R. Mar. 6.

N. Y., New York—Mar. 13, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in East 172nd and East 177th Sts., Rosedale, Commonwealth, St. Lawrence, Dewey, Schley, Randall, East Tremont, Edison, Logan, Hollywood, Wilson, Needham, Whitlock and Leland Aves.

Md., Baltimore—Mar. 12, by Bd. Awards, 47,500 lin.ft. sanitary sewers and house connections, 5- to 24-in. diameter in Dists.

Sewers (Continued)

24-B and P-8. B. L. Crozier, City Hall, highways engr.

W. Va., Clarksburg—See "Streets and Roads."

O., Columbus—See "Streets and Roads."

O., Cleveland—Mar. 12, by Cuyahoga Co., 29,750 ft. 8- to 36-in. vitr. tile sewers, Impvt. 38 of Co. Sewer Dist. 1. R. F. MacDowell, Court House, engr.

O., East Cleveland (Cleveland P. O.)—Mar. 12, 625 ft. 5 ft. 6 in., 1,090 ft. 5 ft. 3 in., 1,510 ft. 5 ft., and 865 ft. 4 ft. 6 in. concrete sewers in Hayden Ave. M. Garnett, City Hall, engr.

O., Toledo—April 1, by W. T. Jackson, dir. Pub. Serv., West Side Branch Intercepting Sewer and Storm Water Regulator connections known as Contr. 7A of Toledo intercepting sewerage system. G. E. Laska, secy.; adv. E. N.-R. Mar. 6.

Mo., Festus—Mar. 12, 10 mi. sewers, disposal plant, sewage pumping plant, etc., also 9.5 mi. c.i. mains, hydrants, valves, etc., and either 2 m.g. concrete or steel standpipe. J. P. Davis, Central Trust Bldg., Jefferson City, engr. Noted Dec. 6 under "Waterworks."

Ont., Long Branch—Mar. 10, by S. Barratt, clk. Etobicoke Twp., Islington, 12 mi. 9-48 in. vitr. and concrete sewers, in this vicinity. $250,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs. Noted Feb. 28.

O., Ashtabula—W. M. Cotton, city mgr., Feb. 21, 3,500 ft. 24 x 42 in. concrete submerged outfall pipe and river crossing, from Amer. Constr. Co., Marion Bldg., Cleveland, $207,162. Noted Feb. 14.

O., Cleveland — Cuyahoga Co. Feb. 27, 16,000 ft. 8- to 27-in. vitr. and 3,200 ft. 30- to 42-in. segmental block sewer, Impvt. 55 of Co. Sewer Dist., from Langahan Constr. Co., Marshall Bldg., $120,000. Noted Feb. 21.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to A. Mannino, 263 86th St., sewers in East 9th St., 79½% engrs. est. $28,143, East 7th St., 81% $8,538, Empire Blvd., 110% $2,376, West 4th St., 77% $65,885 New Utrecht Ave., 86% $10,473, 69th St., 85% $5,403; to Fenlen Constr. Co., sewer in East 18th St., 87% $16,353; to C. F. Vacharas, 645 40th St., Vanderbilt Ave., 113% $16,664, Hegeman Ave., 84.3% $1,400, Douglass St., 85.3% $400; to Manmill Constr. Co., 2035 Douglass St., Junius St., 89.2% $400. Noted Feb. 28.

N. Y., Kenmore—For 10- to 60-in. concrete and vitr. tile storm sewers in various streets, to J. M. Fahning, 460 Leroy Ave., Buffalo, $81,838.

N. Y., Pleasantville—Bd. Sewer Comrs., Village Hall, disposal plant, Constr. 1, to Hennessey & Sowell, Hightstown, N. J., $82,576; collecting system, Contr. 2, to J. Miele, 21 Hillcrest Terrace, East Orange, N. J., $107,051. Noted Jan. 17.

N. C., Greensboro—For 50 mi. water and sewer lines contract awarded tentatively, to Elliott Bldg. Co., Hickory, $246,517. Noted Jan. 31.

O., Cleveland—Cuyahoga Co. 9,000 ft. 8- to 42-in. vitr. tile sewer, Impvt. 36 of Co. Sewer Dist. 1, to Gallagher-Burke Constr. Co., Rockefeller Bldg., $60,510. Noted Feb. 28.

O., Euclid — Vitr. tile and segmental block sewer in East 185th St., to Lafornaro Constr. Co., 2218 Murray Hill Rd., Cleveland, $58,928.

Wis., Milwaukee—Metropolitan Sewerage Comn., 508 Market St., concrete sewer in Jackson Dr., 26th, Oklahoma and Western Aves., to Knowles & Fehr, Inc., 3110 Belmont St., Chicago, $329,124; terra cotta pipe sewer in Lake St. from 27th to 35th Sts., to G. E. Zimmermann, 3402 Grand Ave., $24,357. Noted Feb. 14.

Mo., Kansas City—Sanitary sewers in Dist. 518, to Torson Constr. Co., 4429 Highland Ave., $25,226.

Wash., Tacoma—Sewers in Gallagher Gulch from Tacoma Ave. to Dock St., 450 ft. 66-in., 955 ft. 63-in. and 850 ft. 60-in. rein.-con. pipe, 4,000 cu.yd. earth trenching, etc., to Hart Constr. Co., 806 Tacoma Bldg., $62,224.

Que., Montreal — Will build sewers in Notre Dame DeGrace Ave., Desautels, Henri Julien, Dandurand, Drolet and Talhurst Sts., by day labor, $75,790; sewer in St. Donat St., to A. Thezaud, 885 St. Catherine St. E., $11,631; in St. Zotique St., to V. Mastracchio, 554 St. Denis St., $3,772. Noted Jan. 10.

Ont., Toronto—To Murphy Contg. Co., 8 Wychwood Ave., sanitary and storm sewers in Foxbar Rd. $3,545; to City Works Dept., City Hall, Gresham Rd. $1,664, Balmuto St. $403, maintenance and repair work on several streets $55,553. Engrs. est. $60,000.

Bridges

PROPOSED WORK

N. Y., North Hoosick—Town of Hoosick, Hoosick Falls, plans 1 span concrete highway bridge 24 ft., over White Creek, near here. $65,000. G. S. Thompson, 257 Bway., Troy, engr.

Wisconsin—State Hy. Comn., Madison, prepared plans following bridges, Pine River Bridge, Town Pine River, Lincoln Co., 75 ft. plate girder span, $11,500; Devil Creek Bridge between Towns Corning and Scott, 25 ft. concrete deck girder, $2,850, H. H. Kuehling, Merrill, comr.; Engel Bridge, Town Plymouth, Juneau Co., 25 ft. concrete deck girder, $3,800, A. V. Robinson, New Lisbon, comr.; Northport Bridge, Village Northport, new 30 ft. I beam span, $3,800; Jump River Bridge, Town Kennan, Price Co., 140 ft. truss span, $15,500, B. M. Griffin, Phillips, comr.; Naffin Bridge, Town Black Wolf, Winnebago Co., 35 ft. concrete deck girder, $3,250, F. Steiner, Oshkosh, comr.; Koskoskee Bridge, Town Summer, Jefferson Co., 30 ft. concrete deck girder, $2,500, R. D. Royce, Fort Akinson, comr. Bids soon.

Wis., Wausau—Soon takes bids 120 ft. concrete arch over West Washington St. slough, 3 spans. $45,000. B. C. Gowen, City Hall, engr.

Kan., Oskaloosa — Jefferson Co. Hy. Comn. plans 220 ft. steel bridge, 20 ft. roadway, on Federal Aid Project 175, Sect. A, to exceed $25,000. R. C. Ham, Oskaloosa, engr.

Missouri — State Hy. Dept., Jefferson City, plans three 30 ft. rein.-con. deck girder spans over Little Parson Creek, five 20 ft. rein.-con. slab spans over overflow Big Turkey Creek, eleven 20 ft. rein.-con. slab spans over overflow East Yellow Creek, fifteen 20 ft. rein.-con. slab spans over overflow Big Parsons Creek, twenty-eight 20 ft. rein.-con. slab spans over overflow Locust Creek, Linn Co.; one 12 ft. rein.-con. slab span on Sta. 384 plus 30, and three 35 ft. rein.-con. deck girder spans over Beaver Springs Creek, McDonald Co.; three 35 ft. rein.-con. deck girder spans over Isle Du Bois Creek, and three 35 ft. concrete deck girder spans, 2 rein.-con. piers, over Joe's Branch, St. Genevieve Co. B. H. Piepmeier, state highway engr.

Mo., St. Louis—Illinois Power & Light Corp., 232 South Clark St., Chicago, plans broadening bridge over Mississippi River, here, to provide 40 ft. roadway on south side instead of 16 ft. as at present. Later will give same treatment to north vehicle roadway, also strengthen steel support, install new concrete work, etc., to take care of heavier vehicular and street railway traffic. Above bridge is used by Illinois Traction System, subsidiary of owner. $2,000,000. Private plans. Will mature in spring.

Wash., Hoquiam—City Council takes bids about Mar. 26, 50-ft. bascule single leaf span, 22 ft., over Little Hoquiam River. $30,000. W. L. Lovejoy, Hoquiam, engr.

Calif., Los Angeles — Los Angeles Co. plans bridge over flood control channel, West Anaheim St. From $25,000 to $30,000.

Ont., Cobourg — Northumberland and Durham Counties plan highway bridge 100 to 125 ft. long, 20 ft. roadway, steel or concrete superstructure, concrete abutments, over Trent River. $25,000. N. F. MacNachtan, co. clk.

BIDS DESIRED

Mass., Springfield—Mar. 25, at office of City Clerk, Room 105, Administration Bldg., reconstructing substructure and superstructure of North End Bridge over Connecticut River between here and West Springfield. E. F. Leonard, chn. bridge com.; adv. E. N.-R. Mar. 6. Noted Nov. 22.

N. Y., Buffalo — Mar. 27, at office of Dept. Pub. Wks., Municipal Bldg., reconstructing, renewal and protection of viaducts in Elk St. over tracks of New York, Chicago & St. Louis R.R.; in Van Rensselaer St. over tracks of Erie R.R., in Fulton St. (foot bridge) over tracks of Lake Shore & Michigan Southern R.R., also in Elk St. over tracks of Erie R.R. Noted Jan. 17.

Fla., Jacksonville—Mar. 10, by Florida East Coast Ry., 120 Bway., New York, 4,000 tons steel for superstructure of St. Johns River Bridge. C. D. Boice, Purch. Agt. Noted Feb. 7.

Alabama—Mar. 31, by State Hy. Dept., Montgomery, bridge on Birmingham-Montgomery Rd., Federal Aid Project 109, Chilton Co., 542.6 cu.yd. Class A and 565 cu.yd. Class B concrete, 89,370 lb. reinforcing steel; bridge on Stockton-Little River Rd., Federal Aid Project 140, Baldwin Co., 411,812 ft. treated timber structures, 18,005 lin.ft. treated timber piles, 3,718 sq.yd. 1.5 in. cold mix bituminous surfacing, one 80 ft. and one 50 ft. steel truss, six 20 ft. steel I-beam spans to be cleaned and painted (3 coats), 138.9 cu.yd. Class A concrete in piers, 7,446 lb. reinforcing steel in piers, one 80 ft. steel span complete in place with floor, etc. W. S. Keller, state highway engr.

Ohio—See "Streets and Roads."

Wis., Fond du Lac — See "Streets and Roads."

Wis., Juneau—See "Streets and Roads."

Wis., Madison—Mar. 12, by Dane Co. Hy. Comn., McGuire Bridge, Town Westport, Holstein, Hein, Sanders and Schermacker Bridges, all Town York, incl. 269.5 cu.yd. concrete, 10,600 lb. steel. J. R. Caldwell, comr.

Ia., Nevada—Mar. 18, by Story Co. furnishing material and constructing 8 culverts and extension, 4 I-beams and one 120 ft., high truss bridge. S. Steizerwalt, Nevada, engr.

Ia., Rockwell City—Mar. 11, by Calhoun Co. furnishing material and constructing 6 I-beam bridges, 4 box culverts, two 18 x 50 ft., and one 20 x 70 ft. pony trusses. W. E. McClure, Rockwell City, engr.

Minnesota—See "Streets and Roads."

Minn., Blakeley—Mar. 20, by F. Hoppenstedt, aud. Sibley Co. (Gaylord), three 140-ft. steel truss spans, concrete abutments, over Minnesota River, here, for Scott and Sibley Counties. $40,000. Former bids returned unopened. State Hy. Dept., 1246 University Ave., St. Paul, engrs. Noted Feb. 7.

Tex., Houston—Mar. 31, at office City Secretary, rein.-con. and steel bridge across Buffalo Bayou at intersection of Congress Ave., Smith and Acuff Sts. O. F. Holcombe, mayor.

Colorado—See "Streets and Roads."

Ore., Portland—Apr. 1, by Comrs. Multnomah Co., Court House, 1,200 ft. bridge, 66 ft., over Willamette River on Burnside St., 5 spans, steel draw, steel or concrete superstructure, concrete substructure, $3,500,000; Sellwood Bridge, 1,200 ft., 5 spans, concrete substructure, steel superstructure, over Willamette River, $1,000,000; Ross Island Bridge, 5 spans, over Willamette River, $1,600,000. City of Portland and Multnomah Co. owners. Hedrick & Kremers, 250½ 3rd St., engrs.; adv. E.N.-R. Mar. 6.

BIDS RECEIVED

Pa., Phila. — Dir. Pub. Wks., 216 City Hall, completing bridge at 40th St. over Pennsylvania R.R. tracks, from Mundy Paving & Contg. Co., 226 South Warnock St., $97,745. Noted Feb. 14.

Mich., Springwells—See "Unclassified."

Missouri — State Hy. Dept., Jefferson City, from Short & Bramer, Monett, two 10 ft. rein.-con. slab spans over stream, Boone Co. $2,868, three 60 ft. steel truss and two 18 ft. rein.-con. slab spans over Perchee Creek, Boone Co. $22,444, three 20 ft. rein.-con. slab spans over Holder Branch, Camden Co., $4,421, one 40 ft. and two 30 ft. rein.-con. deck girder spans over Macks Creek, Camden Co. $10,864; from C. P. O'Reilley & Co., Wainwright Bldg., St. Louis, 30 ft. I-beam span over stream, Howard Co. $1,140, one 42 ft. rein.-con. deck girder and six 20 ft. rein.-con. slab spans over Moniteau Creek, Howard Co. $13,254; from Kelly & Underwood, Granby, 20 ft. rein.-con. slab span over stream, Wright Co. $1,915; from Reynolds, Bloker & Crews, Carruthersville, one 80 ft. steel truss and six rein.-con. slab spans over Bonne Femme Creek, Howard Co. $20,186; from Woodsmall & Woodsmall, Marshall, three 25 ft. rein.-con. deck girder spans over Elk Fork, Randolph Co., $13,058; from Wilson Constr. Co., Warrensburg, one 40 ft. and two 25 ft. rein.-con. deck girder spans over stream, Schuyler Co., $8,877; from F. A. Stonner, Chamois, three 20 ft. rein.-con. slab spans over Little Loose Creek, Osage Co. $6,231; from M. E. Gillioz, Monett, 50 ft. steel truss span over stream, Boone Co. $1,788; from Pub. Wks. Constr. Co., Century Bldg., St. Louis, two 12 ft. rein.-con. slab spans over stream, Boone Co. $4,524. Noted Feb. 21.

Tex., Ft. Bend—Richmond Co. 1,504 ft. bridge across Brazos River on North State Highway 3,960,000 lb. steel in truss, 160,000 lb. in I beam, 252 cu.yd. concrete, 149,610 lb. reinforcing, etc., from Austin Bridge Co., 1813 Clarence St., Dallas, $251,782.

Bridges (Continued)

piers only from **Missouri Valley Bridge & Iron Co.**, Leavenworth, Kan., $110,291. Noted Jan. 24.

Colorado—State Hy. Dept., Denver, steel truss bridge with timber floor, over Rio Grande Del Norte River near La Sanses, State Project 811, Costilla and Conejor Counties, from C. A. Switzer, 4571 Wolff St., Denver. $28,117. Engrs. est. $25,000.

Colorado—State Hy. Dept., Denver, three 100 ft. steel truss span bridge over South Platte River, between Englewood and Ft. Logan, State Project 791-904, Arapahoe Co., from C. O'Niell, Box 52, Platteville, $44,050.

Colorado—See "Streets and Roads."

Calif., Santa Ana—Orange Co., bridge over Santa Ana River on Coast Highway, three 60 ft. steel, eight 30 ft., two 31 ft. and two 20 ft. spans, concrete piles, 1,260 cu.yd. concrete, 198,000 lb. reinforcing and 90 tons structural steel, from McKay Eng. Co., Railway Bldg., Los Angeles, $63.131. Noted Jan. 24.

CONTRACTS AWARDED

Pa., Phila. — Delaware River Bridge Joint Comn., Room 806 Widener Bldg., constructing Phila. and Camden approaches of bridge over Delaware River, between here and Camden, N. J.. Phila. approach piers. Contr. 11, to Frederick Snare Corp., 114 Liberty St., New York City, $231,000; Camden approach piers. Contr. 12, to H. G. Ley Co., 716 Raymond St., $271,862. Noted Feb. 21.

Ga., Columbus—Comrs. Muskogee Co. steel truss bridge over Upatoie Creek on Buena Vista Rd., to Columbus Constr. Co., Murrah Bldg., Columbus, $27,300. Noted Feb. 7.

Alabama—State Hy. Dept., Montgomery, substructure of bridge over Shoal Creek, about 5 mi. from Florence on Florence and Athens Highway, Lauderdale Co., Project 144, 4 piers, three 75 ft. high and one 60 ft. high, 1,557 cu.yd. concrete, 35,250 lb. reinforcing, etc., to Gould Constr. Co., Independent Life Bldg., Nashville, Tenn., $55,844. Engrs. est. $60,000. Noted Feb. 7.

Ia., Sac City—Sac Co. furnishing material and constructing 9 I-beam bridge, 1 pony truss and 8 box culvert, to Lundgren-Reis Co., 65 College St., Des Moines, $38,-000. Noted Feb. 14.

Ia., Sioux City—Bridge over Floyd River at 3rd and Plymouth Sts., two 60 ft. and two 20 ft. rein.-con. spans, 40 ft. roadway, 5 ft. sidewalks, to Ward & Weighton, 510 Davidson Bldg., $33,244.

Minnesota—Hennepin Co. (Minneapolis) and Dakota Co. (Hastings), 4,119-ft. bridge over Minnesota River between Ford Snelling and Mendota, to Koss Constr. Co., 2818 5th St., Des Moines, Ia., $1,685,000 for concrete arch type, except reinforcing steel and pavement surfacing. Will advertise immediately for reinforcing steel required during the next year and will also advertise for pavement surfacing later. Noted Jan. 24 under Mendota.

California—State Hy. Comn., Sacramento, to J. Simpson & Co., 701 Antonio St., Los Angeles, Federal Aid Project 129, bridge over Cedar Creek, 18 mi. east of Gilroy, Santa Clara Co., 560 cu.yd. concrete $19.56, 370 cwt. reinforcing $7, bridge over North Fork Pacheco Creek, 21 mi. east of Gilroy, 675 cu.yd. concrete $26.66, 980 cwt. reinforcing $7, total $42,234. Noted Feb. 21.

Dams

PROPOSED WORK

N. Y., Paul Smiths—Paul Smiths Electric Light, Power & Railway Co., purchased site at Raquette Falls, and plans dam and hydro generator. $85,000.

Tex., Ft. Worth—Election Apr. 15, $400,-000 bonds, strengthening dam at Lake Worth, raising spillway 5 ft. with new main to Holly Pumping Plant. D. L. Lewis, city engr.

BIDS DESIRED

Wash., Tacoma—Mar. 27, at office of I. S. Davisson, comr. light and water, constructing Cushman Dam and appurtenant works on north fork of Skokomish River, Mason Co. J. L. Stannard, ch. engr. Cushman Project; adv. E. N.-R. Feb. 28 and Mar. 6.

CONTRACTS AWARDED

Vt., Enosburg Falls—See "Waterworks."

Railways

PROPOSED WORK

New Jersey—New York Central R.R., Grand Central Terminal, New York City, plans improvements on Marginal Belt Line 13 between Edgewater and Bayonne, incl. interchange tracks with Pennsylvania R.R. at Harsimus Junction, Jersey City, $125,000; cross-over switch at Willow Ave., West Hoboken, from Erie Yard to southbound main track $2,000; enlarging yard at Kings Bluff, south of Weehawken, $100,-000; interlocking plant at National Junction for joint use of New York Central and Lehigh Valley R.R., $100,000; automatic block signals between Weehawken and National Junction $100,000. G. W. Kittredge, ch. engr.

Alabama—Central of Georgia Ry. Co., 233 West Broad St., Savannah, Ga., had survey made and will award contract about Apr. 1, elimination of 40 highway grade crossings, 2 railroad crossings and 83 curves, maximum grade of entire road from Birmingham to Columbus, Ga., to be reduced ½ to 1 per cent, old railroad track from Birmingham, Ala., to Columbus, Ga., to be practically rebuilt. $5,000,000 to $6,-000,000. C. K. Lawrence, ch. engr.

Texas—Texas Interurban Ry. Co., Interurban Bldg., Dallas, had plans prepared 68 mi. extension from Terrell to Tyler via Wills Point and Canton. $4,250,000. R. B. Brown, ch. engr.

California—Atchison, Topeka & Santa Fe Ry., Kerchkoff Bldg., Los Angeles, plans improvements at Richmond yards, incl. new trackage, new approaches to city, improvements to wharfing facilities, shops, etc. To exceed $150,000. R. B. Ball, ch. engr. Coast Lines.

CONTRACTS AWARDED

California—Atchison, Topeka & Santa Fe Ry., 6th and Main St., Los Angeles, and Union Pacific R.R. Co., 58 East Washington St., Chicago, double tracking 44 mi. line between Summit and Hicks, San Bernardino Co., incl. 800,000 cu.yd. earth and heavy rock excav., to Sharp & Fellows Constr. Co., Central Bldg., Los Angeles, $2,500,000.

Excavation, Drainage, Irrigation

PROPOSED WORK

Okla., Wewoka—Wewoka Dist. 1, Seminole Co., having surveys made straightening and draining Wewoka Creek. Proposition still in process of financing. $100,000. H. Wilkins, 225 West Grand St., Oklahoma City, engr.

Utah, Salt Lake City—Salt Lake Co. D.D. 2 plans open ditch drainage of 7,000 acres in Salt Lake Co. west of Salt Lake City. $90,000. Margetts & Kleinschmidt, Felt Bldg., engrs.

Calif., Crescent City—Del Norte Co. plans to vote on $45,000 bonds, portion of county's cost in financing improvements to harbor in conjunction with United States Government.

Calif., Porterville—Vandalia Irrigation Dist. voted $210,000 bonds for irrigation works, pumping plants, pipe lines, ditches, etc. Noted Sept. 27.

BIDS DESIRED

Wis., Green Bay—Mar. 18, at office Clerk Circuit Court for Brown Co., 1,068,000 cu.yd. open ditch, average depth 7 ft.; 20 mi. tile drains, average depth 5½ ft., incl. 105,969 ft. 8- to 30-in. tile and 800 ft. 12 in. sewer pipe, in Pensaukee D. D. T. A Rocque, Lena, Secy. Pensaukee D. D.

Mo., Gallatin—Mar. 12, by Supervs. South Daviess Co. D. D., at office of Cruzen & Mann, attys., 10.1 mi. main ditch 2,200,000 cu.yd. excav., 4 laterals and 1 cut-off ditch, 6.4 mi. long, 428,000 cu.yd. excav., 700 ft. levee 1,400 cu.yd. embankment. C. J. Wiegner, Memphis, engr.

BIDS RECEIVED

New York—J. A. Delaney, comr. Docks, Pier "A" foot of Battery Pl., New York City, Feb. 29, dredging channels, constructing dikes, and placing fill on west island in connection with improvement of Jamaica Bay, Queens Boro, Contr. 1818 B and C, from W. H. Geoghegan Realty Co., B-1 $0.245, B-2 $1, C-1 $0.245, C-2 $1; United Dredging Co., 233 Bway., New York City, B $0.169, C $0.50. Noted Feb. 21.

CONTRACTS AWARDED

N. C., Morehead City—North Carolina Fisheries Comn., dredging approach channel 1½ mi. in Pamlico Sound and ½ mi. canal from sound to ocean, 250 ft. wide, at New Inlet, to Calkins Dredging Co., Norfolk, Va. Est. cost $70,000. Noted Jan. 24.

Miss., Charleston—Matthews Bayou D.D., 175,000 cu.yd. excav., to N. C. McGinnis Co., Exch. Bldg., Memphis, Tenn. Noted Feb. 28.

Ill., Joliet—M. L. Rubens, c/o Princess Theatre, excavating for 4 story and basement, rein.-con., brick and stone, Clinton and Scott Sts., to Kaiser & Dusett, Joliet Natl. Bank Bldg. Noted Jan. 17.

Streets and Roads

PROPOSED WORK

Maine—State Hy. Comn., Augusta, takes bids in spring paving 4.19 mi. State Highway B, in Bridgton, 44,246 sq.yd. bituminous macadam, 14,000 cu.yd. earth excav., $117,299; 3.07 mi. State Highway B in Raymond, 32,419 sq.yd. bituminous macadam, 11,400 cu.yd. earth excav., $88,862; 2.78 mi. State Highway N, in Edmunds, 6,792 cu.yd. gravel surfacing, 8,648 cu.yd. earth and 2,862 cu.yd. rock excav., $61,-890; 2.16 mi. State Highway K, in Smyrna, 5,178 cu.yd. gravel surfacing, 6,661 cu.yd. earth excav., $34,771; 3.27 mi. State Highway K in Lincoln, 6,200 cu.yd. gravel surfacing, 7,600 cu.yd. earth and 100 cu.yd. rock excav., $52,700; 3.22 mi. State Highway S, in Paris and Woodstock, alternate bids will probably be asked on 7,568 cu.yd. gravel surface and 34,003 sq.yd. bituminous macadam, $56,354 and $93.289 respectively. P. D. Sargent, ch. engr.

Mass., Pittsfield—Making plans concrete paving 5,000 ft. road, 18 ft. wide, $81,000; 4,000 ft., 20 ft., $74,000. A. B. Farnham, City Hall, engr.

New Jersey—State Hy. Dept., Trenton, plans improving 4 mi. road from Adelphia to Elton, macadam or gravel. $26,567. W. G. Sloan, state highway engr.

N. J., Mays Landing—Atlantic Co. plans to readvertise bids repairing or reconstructing Absecon Blvd., also additions to 9 bridges. $935,712. Former contract rescinded. A. H. Nelson Guaranty Trust Bldg., Atlantic City, engr. Noted Aug. 16.

W. Va., Charleston—Comrs Kanawa Co. plan road from Dunbar to Nitro. $100,000. Noted Dec. 6.

W. Va., Moundsville—City Council plans improving Elm Ave. and 8 other streets, vitr. brick. $60,000. A. Purdy, Moundsville, engr.

W. Va., Summersville—Nicholas Co., Wilderness Dist., election Apr. 8, to vote on $90,000 bonds for highway improvements. C. E. Stephenson, Clk.

W. Va., Wayne—Stonewall and Grant Dists., Wayne Co., voted $111,000 and $58,000 bonds respectively, for roads. H. O. Wiles, Ceredo, engrs. Noted Feb. 7.

W. Va., Wheeling—Plans paving 8th St. et al. $125,000. H. Conrad, 422 South Bway., engr.

W. Va., Winfield—Putnam Co. Buffalo Dist. voted $60,000 bonds for roads. J. M. Henson, clk.

N. C., Lenoir—Caldwell Co. plans to issue $200,000 bonds hard. surfacing road between here and Philadelphia Church. F. H. Coffey, chn. Bd. Co. Comrs.

Fla., Miami Beach—Plans improving various streets. $250,787. Van Alen Harris, city mgr.

Ala., Anniston—Will sell $150,000 bonds paving streets in residential section. A. Wikle, mayor.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, plans to construct 20 mi. highway, Henderson to McNairy Co. line, Chester Co., 8 ft., probably gravel; having surveys made 15 mi. highway from Somerville, Fayette Co., to Shelby Co. line, 16 ft. J. G. Creveling, comr. Noted Jan. 17.

Tenn., Jackson—Election soon $500,000 bonds, general street improvements. E. R. Dike, city engr.

Tenn., Murfreesboro—Rutherford Co. voted $750,000 bonds, $300,000 for Federal aid roads and $450,000 for resurfacing county roads. J. G. Creveling, highway comr.

Tenn., Pulaski—Plans paving, probably limestone base and rock asphalt surface, 1st, 2nd and 3rd Sts. $130,000.

Kentucky—State Hy. Dept., Frankfort, plans grading 2 mi. Hyden-Hazard Rd., 20 ft., State Project 28, Sect. B, Leslie Co., 18,889 cu.yd. earth and 14,952 cu.yd. rock excav. J. S. Boggs, state highway engr.

O., Circleville—Had plans prepared curbing, grading and asphalt paving Franklin St. $62,000.

O., Cleveland—Plans widening and paving Euclid Ave., $100,000; opening and paving East 35th St., $257,000; paving East 13th St., $150,000. R. Hoffman, City Hall, engr.

O., Columbus—Making plans grading, laying necessary water services and sewer connections and paving 2,124 ft. Acheson St. and Michigan Ave., 30 ft., brick $39,495, asphalt $32,639; 746 ft. Malvern Ave., 24 ft., brick $13,887, asphalt $11,698; 4,023 ft. Bruck St., 26 ft., brick $65,485, asphalt $50,329; 4,546 ft. Livingston Ave., 24 ft., brick $65,211, asphalt $53,507; 143 ft. alley north of 9th Ave., 15 ft., brick $840, concrete $747. R. H. Simpson, city engr.

O., Columbus—Franklin Co. plans 35 mi. new highways also improvement and re-

Streets and Roads (Continued)

surfacing of many additional miles of road during 1924. C. C. Lattimer, co. surv.

O., Dover — Bd. Control takes bids in spring improving 6th St., 40,000; ½ mi. 4th St., 36 ft., $50,000.

O., East Cleveland (Cleveland P. O.)—Takes bids in spring resurfacing and repaving various streets, $10,600 and $491,200 respectively; paving Lee Rd., Belvedire and Amelia Courts, Stanwood and Euclid Aves., $90,750. M. Garnett, City Hall, engr.

O., Lima — Allen Co. takes bids in spring brick paving 3.5 mi. Lima-Bellefontaine Rd., 18 ft. $125,000.

O., Lisbon—Columbiana Co. plans to improve 5 mi. road along Mahoning and Columbiana Counties to Stark Co., 18 ft., 10 in. foundation will be laid at this time. Will cover same with brick at later date. $150,000. F. C. Kirk, Lisbon, engr.

O., Newark—Takes bids in spring resurfacing Granville St., $33,612. H. R. Wells, Newark, engr.

Michigan—Plans grading and surfacing with concrete or bituminous concrete (**S. T. L. means State Trunk Line and F. A. P. means Federal Aid Project**) 0.5 mi. S. T. L. Rd. 55-13, Ogeman Co., 0.7 mi. S. T. L. Rd. 10-28, Saginaw Co., 1.777 mi. S. T. L. Rd. 10-37, Presque Isle Co., 5.5 mi. S. T. L. Rd. 43-4, Montcalm Co., 0.75 mi. S. T. L. Rd. 19-8, Huron Co., 4 mi. S. T. L. Rd. 20-14, Bay Co., 4 mi. S. T. L. Rd. 14-41, Isabella Co., 11 mi. S. T. L. Rd. 27-12, Sanilac Co., 1.25 mi. S. T. L. Rd. 14-37, Clare Co., 3 mi. S. T. L. Rd. 40-5, Cass Co., 1.3 mi. S. T. L. Rd. 11-22 B, 6 mi. S. T. L. Rd. 58-4, and 1.3 mi. S. T. L. Rd. 58-5, Berrien Co., 13 mi. S. T. L. Rd. 10-39, Oakland Co., 2.723 mi. S. T. L. Rd. 14-15, A and B Ingham Co., 3.5 mi. S. T. L. Rd. 43-3, and 1 mi. S. T. L. Rd. 21-20, Ionia Co., 2 mi. S. T. L. Rd. 11-58 and 5.973 mi. S. T. L. Rd. 11-25, A and B, Oceana Co., 4.19 mi. F. A. P. 50, Sect. B, and 14.5 mi. F. A. P. 73, Monroe Co., 15.7 mi. F. A. P. 89, and 1.5 mi. F. A. P. 75 Sect. A, Jackson Co., 3.5 mi. F. A. P. 88, Sect. B, Ingham Co., 10.5 mi. F. A. P. 97, Oakland Co., 10.5 mi. F. A. P. 82, Sect. B, Washtenaw Co., 4.5 mi. F. A. P. 82 A, Wayne Co., 14 mi. F. A. P. 113, Kent Co.; grading and gravel surfacing 8.5 mi. S. T. L. Rd. 40-8, Van Buren Co., 4 mi. S. T. L. Rd. 66-16, Missaukee Co., 3 mi. S. T. L. Rd. 66-14 A, and 1.5 mi. S. T. L. Rd. 13-23 A, Osceola Co., 3 mi. S. T. L. Rd. 42-1 A and B, Wexford Co., 13.2 mi. S. T. L. Rd. 48-6 B, and 2 mi. S. T. L. Rd. 48-9, Chippewa Co., 6 mi. S. T. L. Rd. 25-7, and 4 mi. S. T. L. Rd. 25-13, Schoolcraft Co. 10.6 mi. F. A. P. 110, Menominee Co., 8 mi. F. A. P. 112, Ontonagon Co.; surfacing with macadam or gravel, 12.892 mi. S. T. L. Rd. 25-5, Alger Co., 4.258 mi. S. T. L. Rd 25-4, Luce Co., 14.1 mi. S. T L. Rd. 25-8, Schoolcraft Co., 5 mi. S. T. L. Rd. 25-12 B, 13.3 mi. S. T. L. Rd. 25-15 B and C, 7.4 mi. S. T. L. Rd. 25-17, and 6 mi. S. T. L. Rd. 25-15 A, Chippewa Co; surfacing with macadam 2.5 mi. F. A. P. 103, Ontonagon Co., 5.977 mi. S. T. L. Rd. 25-2 A and 6 mi. S. T. L. Rd. 25-6, Luce Co. G. C. Dillman, ch. engr.

Mich., Detroit—Having plans prepared grading and paving with 3½ in. sheet asphalt on 8 in. concrete, on Walton St. $21,090, 14th St. $5,500, Griggs Ave. $15,730, Sylvester Ave. $4,780, Lonyo Ave. $78,980, Calvert Ave. $10,600, Milner St. $17,710, Charest Ave. $39,710, Idaho Ave. $13,830, Wilson St. $16,570, Robinwood Ave. $21,340, Weitzel Court $8,170, Lonyo Rd. $17,930, Log Cabin Ave. $63,890, also grading and paving 10 alleys with one course concrete, $34,110. G. Jerome, city engr.

Mich., Kalamazoo—Plans to grade and pave 80 blocks on Butler Court, Terrace Pl., River Rd., Lay and Lane Blvds., Krom and Hays Park Aves., Chestnut, Edwards, Pitcher, Eleanor, Ransom, Westnedge, Academy, Locust, Wheaton, Cedar, Jasper, 2nd, Stockbridge, Egleston, Lake, 3rd, Mill, and Reed Sts. $319,978. Work includes 24 blocks vitr. brick, 52 blocks asphalt and 4 blocks concrete. E. S. Clark, city engr.

Ill., Joliet—Will Co. having preliminary plans made grading, ditching, and concrete surfacing 17 mi. roads, 18 ft. $400,000. W. H. Smith, supt.

Ia., Boone—Plans paving, curbing, etc., 74 blocks. $250,000. C. L. Ehrhart, city engr.

Ia., Nevada—Bids rejected paving, etc., 40,300 sq.yd. concrete, 21,600 lin.ft. curb, 33,650 sq.yd. asphaltic concrete, 21,600 lin.ft. curb and gutters, sewer extensions. Noted Jan. 31.

Ia., Oskaloosa—Plans paving 16 blocks. $65,000. T. H. Carlen, clk.

Ia., Storm Lake—Plans paving, curbing, etc., 20 blocks. $70,000. S. W. Kern, clk.

Minnesota—See "Bridges" under "Contracts Awarded."

Minn., St. Paul—Ramsey Co. plans grading and paving 2.5 mi. Project 24-53. $75,000. P. N. Coates, 900 Guardian Life Bldg., co. surv.

Kan., Hutchinson—Soon takes bids improving 12 blocks 16th, Elm, Washington and 2nd Sts., 24 ft. average width, grading, 2 in. asphaltic concrete on 5 in. concrete, concrete curbs, gutters, etc. $400,000. R. B. Lee, City Hall, city engr.

Kan., Kansas City—Wyandotte Co. soon takes bids fine grading and concrete slab, on 0.873 mi. Federal Aid Project 102, 18 ft. O. K. Williamson, co. engr.

Kan., Parsons—Soon takes bids improving 7 blocks, Morgan and Washington Sts., 26 ft., grading, concrete surfacing, concrete curb, gutters, etc. $25,000. F. M. Harr, city engr.

South Dakota—State Hy. Dept., Pierre, plans grading 22.7 mi. Federal Aid Project 177, from Rapid City to New Underwood, Pennington Co. Will let contract about April. F. D. Hudgins, ch. engr.

S. D., Vermilion—Plans to pave 50 blocks. Address City Engineer.

Missouri—State Hy. Dept., Jefferson City, received no bids Feb. 21, graveling 50,779 sq.yd. Paris-Shelbina Rd., Monroe Co. Noted Feb. 21.

Missouri — State Hy. Dept., Jefferson City, received no bids Feb. 21, grading and graveling 77,849 sq.yd. roads in Mercer and Atchison Counties. Noted Feb. 21.

Mo., Cape Girardeau — Plans grading, concrete curbing, guttering and paving approximately 26,500 sq.yd. West Bway., Themis, Boulevard, William, Henderson and Middle Sts., 6 in. concrete. $55,000. J. B. Heagler, City Hall, engr.

Mo., Maplewood (St. Louis P. O.)—Soon takes bids concrete curbing, guttering and surfacing 8,190 ft. Walker, High, Bellevue, Woodland, Lohmeyer, Alimede and Kensington Sts., rein.-con. or waterbound macadam, also Weaver and Folk Sts., waterbound macadam. $82,500. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, engr

Mo., Maryville—Takes bids soon concrete curbing, guttering, grading and paving 3,300 ft. North Main, College, Market, 5th and Dunn Sts., 24 ft., asphaltic cement or asphalt on concrete. $31,000.

Mo., Slater—Soon takes bids 10,000 yd. rein.-con. paving. Shockley Eng. Co., 800 Graphic Art Bldg., Kansas City, engrs.

Ark., Little Rock—Pulaski Co. soon takes bids grading and rein.-con. surfacing 54,500 sq.yd. Little Rock and Westwood, Pulaski Co. 5; 73,920 sq.yd. Little Rock-Northern Highway Paving 7; 49,000 sq.yd. Little Rock-Northern Heights Paving 6. G. H. Sykes, Little Rock, engr. Noted Feb. 14.

Tex., Austin—Travis Co. plans grading and gravel surfacing 5 mi. Turnerville Rd., 16 ft. $35,000. O. Leonard, Box 256, Austin, engr.

Tex., Austin—Travis Co. making plans grading and gravel surfacing 6 mi. Del Valle-Colton-Creedmoor Rd., 16 ft., $57,000; reconstructing part of highway on new location, constructing 20 ft. gravel surface with 18 ft. bituminous top on 11 mi. State Highway 2, from city limits to Hays Co. line, $138,500. O. Leonard, Box 256, co. engr.

Tex., Batesville—Zavalla Co. voted $165,623 bonds, hard surfacing Precinct 4, from Uvalde Co. line through La Pryor to Maverick Co. line. N. P. Hunt, La Pryor, co. judge. Noted Feb. 7.

Tex., Corpus Christi—Nueces Co. had revised plans prepared bituminous topping on shell and gravel 11.71 mi. State Highway 12, Federal Aid Project 342, 18 ft. $320,000. C. E. Cocke, co. engr.

Tex., Dallas—Making plans and will probably take bids in April permanent paving 30-50 miscellaneous streets. $500,000-$1,000,000. E. A. Kingsley, city engr.

Tex., Dallas—Plans widening and paving Elm St., $500,000 or more, incl. condemnation wrecking, etc.; paving with brick or asphaltic, also storm sewers or ditching 1¼ mi. West Dallas Ave., $40,000. E. A. Kingsley, city engr.

Tex., Ft. Worth—W. J. Rogers, Cheltenham, plans paving, water mains, etc. in 100 acre subdivision, south of Cheltenham $50,000. Under supervision D. L. Lewis, city engr., and K. Roby, city plan mgr.

Tex., Georgetown—Williamson Co. plans grading, etc. 5.98 mi. State Highway 2-B, 24 ft. $91,345. R. A. Nichols, co. engr.

Tex., Henderson—Election at once $100,000 bonds permanent paving various streets. Total $175,000. Property owners pay part. Engineer not announced.

Tex., Hillsboro—Hill Co. election Mar. 22, $50,000 bonds, road construction to Osceola Rd. Dist. 4. J. J. Estill, co. engr.

Tex., Hillsboro—Hill Co. voted $150,000 bonds gravel surfacing, grading, etc. Hillsboro-Hubbard Rd., etc. J. J. Estill, Court House, engr.

Tex., Huntsville — Walker Co. election Mar. 29, $1,500,000 bonds, surfacing, grading, etc., 80 mi. roads radiating from here to county line. State and Federal aid. C. G. Clark, Huntsville, engr.

Tex., Italy—Voted $80,000 bonds paving streets. Elrod Eng. Co., 3124 Main St., Dallas, engrs.

Tex., Linden—Cass Co. election Mar. 8, $52,000 bonds, hard surfacing 5 mi. Rd. Dist. 18, 18 ft. F. E. Hess, Medical Arts Bldg., Dallas, engr.

Tex., Munday—Voted $25,000 bonds, paving 6 blocks Ernest St., 7 in. concrete or 3 in. vertical fibre brick on 5 in. concrete. Montgomery & Ward, City Natl. Bank Bldg., Wichita Falls, engrs.

Tex., Uvalde—Uvalde Co. making plans 1 in. bituminous topping on 14.16 mi. Sabinal-Knippa Rd., 18 ft. $77,000 W. B. Hodges, Uvalde, engr.

Tex., Vernon — Wilbarger Co. election Mar. 22, $150,000 bonds, highway improvements in Precinct 1. J. B. Nabors, co. engr.

Okla., Ardmore—Soon takes bids grading and rein.-con. paving, etc., 10 blocks North Caddo and 8th Aves.

Okla., Comanche—Plans widening and paving 9 blocks 3rd St., 14,450 sq.yd concrete, 6,000 lin.ft. curbing, 4,800 cu.yd. excav. $56,945. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., El Reno—Plans grading, curbing and asphalt paving 8,350 sq.yd. Mill, Jenkins, Russell and Ellison Sts., etc. $41,000. H. G. Olmsted, 2230 West 18th St., Oklahoma City, engr.

Okla., Fairfax—Defeated $90,000 bonds grading and paving 13 blocks 5th, Elm, Mulberry, Ash, Park and Locust Sts. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Dec. 13.

Okla., Fairfax—Preparing plans grading, curbing, guttering paving, etc. with rein.-con., asphaltic concrete or brick on concrete, 8,500 ft. in. Dist. 3. $100,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, archts.

Okla., Holdenville—Plans grading and paving 5 blocks North Bullitt Ave., 5,600 sq.yd. concrete, 3,200 lin.ft. curbing 1,800 cu.yd. excav. $28,000. C. Edge, Holdenville, engr.

Okla., McAlester—Plans grading and paving 7 blocks, in Dist. 19, 7,600 sq.yd. concrete, 4,100 lin.ft. curbing, 2,450 cu.yd. excav. $36,000. F. Fraser, McAlester, engr.

Okla., Miami—Ottawa Co. having surveys made grading and paving 2 mi. road west from Afton, 18 ft., 21,000 sq.yd. concrete, 11,000 cu.yd. excav. $50,000. W. C. Burnham, Capitol Bldg., Oklahoma City, engr.

Okla., Norman—Cleveland Co. having surveys made grading and graveling 11 mi. Norman-Lexington Rd., 120,000 sq.yd. gravel, 40,000 cu.yd. excav. Bids after July 1. F. Cobb, Norman, engr.

Colo., Denver—Plans asphalt paving in South Capitol Hill Paving Dist. 2, $46,885. Capitol Hill Paving Dist. 14, $44,075. Park Hill Paving Dist. 2, $29,808; Park Hill Paving Dist. 1, $49,980; South Capitol Hill Paving Dist. 2, $49,980, 12 blocks in each district; surfacing with crushed stone, sand, gravel and loam, concrete gutters where necessary, in North Denver Surfacing Dist. 7, $118,300. A. K. Vickery, City Hall, engr.

Idaho, Boise City—Made plans for approach to passenger depot. $100,000 bonds to be voted for same in near future. C. C. Stevenson, city engr.

Utah, Salt Lake City—Plans paving 1,880 ft. road, 52 ft. in Dist 188, bitulithic on concrete, $30,000; 2,900 ft. 3rd St. E. 52 ft. bitulithic topping on concrete, $54,000. S. Q. Cannon, city engr.

Wash., Seattle—Had estimates made regrading Denny Hill and extending Dexter Ave., involving thirty thousand 40-ft. lots, $3,591,000. J. D. Blackwell, city engr.

Wash., Spokane—Spokane Co., paving 12 mi. Dishman-Mica Rd., to W. J. Douse, Lindell Bldg., $116,104.

Calif., Los Angeles—Plans widening Wilshire Blvd. between Bronson Ave. and west city limits. $30,500. J. A. Griffin, city engr.

Calif., Porterville—Had plans prepared improving F and West Putnam Sts., 87,342 sq.ft. grading and 5 in. concrete, etc.; Orange St. 128,751 sq.ft. grading and 5 in. concrete, 4,310 lin.ft. concrete, etc.; D

Streets and Roads (Continued)

and Vine Sts., 117,730 sq.ft. grading and 5 in. concrete, 2,849 lin.ft. concrete curb, etc. F. Pease, city engr.

Calif., San Diego—Had plans prepared improving Cleveland St., 22,049 sq.yd. 1½ asphaltic concrete on 2½ in. base, 19,925 sq.yd. 1½ in. asphaltic concrete on 4 in. concrete, etc. F. A. Rhodes, City Hall, engr.

Calif., Santa Ana—Orange Co. plans paving 4½ mi. Fairview Ave. To exceed $100,000. J. L. McBryde, co. rd. comr.

Calif., South San Francisco—(Branch San Francisco)—Had plans prepared improving portion alleys between Grand and Miller Aves., Grand and Baden, Baden and Commercial, etc., incl. 238,000 sq.ft. 5 in. concrete, 32,500 sq.ft. 4 in. concrete with 1½ in. Topeka top, 2,600 sq.ft. concrete sidewalks, 6,300 cu.yd. grading. G. A. Kneese, Courthouse, Redwood City, engr.

Calif., Suisun City—Plans to vote on $37,500 bonds for paving and $12,500 for installing street lighting system.

Ontario—Provincial Highway Dept., 110 University Ave., Toronto, plans to take over and improve 20 mi. of roads between Ayr and Kitchener, and between Phillipsburg and Bridgeport. $200,000. G. Hogarth, ch. engr.

Ont., Blyth—Plans concrete pavements on Queen and Dinsley Sts. $50,000. Prices wanted on materials.

Ont., Eastview — Town plans asphalt pavements on Victoria St. and macadam on River Rd. $25,000. J. C. Wolff, town clk.

Ont., Guelph—Plans paving 1 mi. Division and Arthur Sts., 14,000 sq.yd. concrete or asphalt on concrete. $50,000. H. S. Nicklin, city engr.

Ont., Leamington—Plans to pave Foundry St. et al. $30,000. Prices wanted on all materials.

Ont., Toronto—See "Park Improvements" under "Unclassified."

Ont., Toronto — Plans concrete curbing and 13,000 sq.yd. asphalt pavements on Glen Rd., Cluny Drive, St. Mary St., Powell and Cluny Aves., $50,000. R. C. Harris, city engr.

BIDS DESIRED

New Hampshire—Mar. 7, by State Hy. Comn., Concord, paving 2.7 mi. main highway, modified asphalt. $100,000. F. E. Everett, state highway comr.

R. I., Providence—Mar. 26, at office of Water Supply Bd., City Hall, grading, paving, etc. 4 mi. road in Scituate. F. E. Winsor, 661 Westminster St., ch. engr.; adv. E. N.-R. Mar. 6.

Conn., New London—Mar. 26, at office of City Purchasing Agent, concrete or hillside brick pavement. W. A. Holt, city mgr.; adv. E. N.-R. Mar. 6.

N. Y., Brooklyn—Mar. 12, by E. Riegelmann, boro pres., Boro Hall, grading, curbing, flagging and paving East 18th St., preliminary bituminous macadam; asphalt paving Lenox and Quentin Rds., Lott, Warehouse and Stillwell Aves., 43rd, 77th, 79th, 81st, East 18th, West 24th, 25th, 27th, 28th, 29th, 30th, 31st, 32nd, 35th, 36th, 37th, 8th, 10th, 12th, 15th, 16th and 19th Sts.; curbing and flagging Lott Ave. and Quentin Rd.; curbing East 18th St.; grading, curbing and flagging West 12th, 66th, 67th and 73rd Sts.

N. Y., Buffalo—Mar. 11, by Dept. Parks & Buildings, City Hall, paving 7,177 sq.yd. Red Jacket Parkway, vitr. brick or asphalt. $30,000 J. H. Meahl, comr.

N. Y., Buffalo—Mar. 17, by Commissioner Pub. Wks., Municipal Bldg., paving and repaving Rapin Pl., Weiss St., Layer and Cambridge Aves., vitr. brick or asphalt. To exceed $60,000. C. E. P. Babcock, Municipal Bldg., engr.

N. Y., New York—Mar. 13, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, curbing, laying sidewalks, etc., on Randall and Thieriot Aves., Worthen, East 227th and Barry Sts.; grading, etc., East 156th St., Metcalf, Fenton and Morgan Aves.; curbing and laying sidewalks, etc., Houghton Ave.; grading, curbing, laying sidewalks and paving with bituminous concrete, etc., East 171st and West 180th Sts.; grading, regrading, curbing, recurbing, laying and relaying sidewalks, paving and repaving with sheet asphalt Bway.; paving, etc., Cauldwell Ave., granite block, White Plains and Unionport Rds., Grant, Webb, Steuben, Findlay and Bronxdale Aves., all with sheet asphalt, Elliot Pl., Andrews and Mt. Eden Aves., bituminous concrete, White Plains and Unionport Rds., asphalt blocks.

N. Y., New York—Mar. 14, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, regrading, curbing, recurbing, flagging, reflagging and paving 5th Ave. from north side of 140th to north side of 142nd Sts., granite block on concrete.

N. J., Asbury Park — Mar. 11, paving 6,035 sq.yd. Bangs Ave. and Emory St., asphalt or concrete. N. Rogers, Asbury Park, engr. Noted Feb. 21.

N. J., Jersey City—Mar. 10, by Hudson Co., Court House, reconstructing Hudson Co. Blvd. east from 29th to 31st Sts., North Bergen Twp. F. J. Radigan, Court House, co. engr.

N. J., Trenton—Mar. 18, by Bd. Freeholders Mercer Co., surface dressing of tar to about 114 mi. roads. H. F. Harris, Court House, co. engr.; adv. E. N.-R. Mar. 6.

Pa., Cresson—Mar. 21, at office T. McN. Walker, boro. secy., 523 Ashcroft Ave., 20,000 sq.yd. pavements on 8 streets and avenues. D. W. Dillman, boro. engr.; adv. E. N.-R. Mar. 6. Noted Feb. 28.

Pa., Washington — Mar. 11, by Bd. Supervs. Jefferson Twp., Washington Co. at office State Hy. Dept., 110 South Main St., Washington, 16,158 lin.ft. one course rein.-con. pavement, 16 ft. wide.

Delaware—Mar. 26, by State Hy. Dept., Dover, paving, etc., 2.18 mi. Bear-Christiana Rd., Contr. CN-16, 1.9 mi. Basin Corner-New Castle Rd., Contr. CN-17, 0.836 mi. Clayton-Smyrna Rd., Contr. CK-21; adv. E. N.-R. Mar. 6.

Md., Baltimore—Mar. 12, by Bd. Awards, grading, curbing and paving streets listed in Contr. 250-OANA, 21,150 sq.yd. asphalt, 1,400 sq.yd. vitr. brick. R. K. Compton, 214 East Lexington St., chn. and engr. Paving Comn.

W. Va., Clarksburg—Mar. 11, by D. H. Hamrick, city clk., grading, paving, sewering, etc., various streets, 2,000 lin.ft. curbing, 3,000 cu.yd. grading 625 cu.yd. concrete base, 3,200 sq.yd. vertical fibre brick, asphalt filler, 1,360 lin.ft. 8- to 24-in. vitr. pipe, etc. T. S. Long, city engr.

W. Va., Huntington—Mar. 10, by Bd. Comrs. grading and paving 5th, 19th and Elm Sts., 5th St. Rd., 14th Ave., alley between 11th and 12th Sts., Jefferson and Madison Aves. A. B. Maupin, city engr. Noted Feb. 14.

W. Va., Summersville — Apr. 8, by Nicholas Co. Court, Wilderness Dist. improving Nallen-Hughes Bridge Rd. and Old Nicholas Rd., $70,000 and $20,000 respectively. M. Dotson, office deputy for assessor.

Fla., Starke — Mar. 18, by Bd. Bond Trustees Bradford Co., E. S. Mathews, chn., grading, sand clay surfacing, etc., 47 mi. highways. $187,000. E. R. Neff, Starke, engr.

Alabama—Mar. 31, by State Hy. Comn., Montgomery, grading 25.089 mi. Stockton-Little River Rd., 26 ft., Federal Aid Project 140, Baldwin Co.; 17.455 mi. Montgomery-Birmingham Rd., Chilton Co., Project 1, covers surfacing, alternate types: 187,250 sq.yd. Portland cement concrete, 177,500 sq.yd. warrenite bitulithic, bituminous concrete, modified Topeka pavement, sheet asphalt, vitr. brick or rock asphalt on concrete; Project 2, covers grading, etc., 66.63 acres clearing and grubbing, 197,738 cu.yd. common and 10,429 cu.yd. rock excav., 296,085 sta.yd. overhaul on excav. W. S. Keller, state highway engr. Noted Nov. 15 and Dec. 10.

Louisiana—Mar. 20, by State Hy. Comn., Reymond Bldg., 7.92 mi. State Project 393, Sect. B, Colfax-Pollock Highway, Grant Parish. J. M. Fourmy, ch. engr.

Ky., Burgin—Mar. 17, by Kentucky Utilities Co., M. E. Taylor Bldg., Louisville, 4,280 ft. macadam road approaches to proposed Kennedy Mills bridge over Dix River, 4½ mi. east of here $25,000. G. T. Bogard, c/o owner, engr.

Ky., Louisville—Bd. Pub. Wks. taking bids reconstructing 32nd St., Garland and Central Aves., etc., from K. A. Barker, Floyd and Lee Sts., $42,000. Noted Mar. 6.

Ohio — Mar. 14, by Dept. Highways & Pub. Wks., Columbus, concrete curbing 1.85 mi. road in Ashtabula Co.; concrete bridge on road in Washington Co.; grading, bridging and paving 46.023 mi. roads in Allen, Ashland, Auglaize, Clermont, Columbiana, Cuyahoga, Lake, Mahoning, Marion, Mercer, Preble, Scioto, Summit, Washington, Warren and Wayne Counties. A. V. Donaheys, dir. highways.

O., Akron—Mar. 17, by W. F. Peters, dir. Pub. Serv., grading, curbing, laying cement sidewalks and paving 14,000 sq.yd. East Market St., vitr. brick or asphalt on concrete. $98,000. E. A. Kemmler, Delaware Bldg., engr.

O., Columbus—Mar. 11, by R. H. Simpson, city engr, grading, laying necessary water services and sewer connections and paving 765 ft. Hamlet St., 17 ft., brick $8,928, asphalt $7,993; 3,926 ft. Essex St. and Ohio Ave., 30 ft., brick $105,186, asphalt $93,963; 743 ft. alley west of 11th St., 14 ft., brick $6,002, concrete $5,090; 464 ft. Isabel Ave., 24 ft., brick $8,408, asphalt $7,545.

Indiana—Mar. 18, by State Hy. Comn., Indianapolis, surface treating roads in Floyd, Porter, LaPorte, Lawrence, Harrison, Lake, Wells, Starke, Marshall, Allen, Elkhart, Jefferson, Dearborn and Monroe Counties, 686,176 sq.yd. bituminous macadam, 368,369 gal. tar, 588 tons crushed stone. C. Gray, state highway engr.

Ind., Evansville—Mar. 10, by Comrs. Vanderburg Co., resurfacing various roads with limestone. S. B. Bell, aud.

Michigan—Mar. 18, by State Hy. Dept., Lansing, grading and surfacing 3.05 mi. Assessment Dist. Rd. 325, Muskegon Co., 12,130 cu.yd. excav., 21,784 sq.yd. Class B gravel. G. C. Dillman, ch. engr.

Ill., Peoria—Mar. 10, by Comrs. Richwood Twp., Court House, grading and 6-in. concrete surfacing 11,842 ft. Prospect Ave., Sect. A, 18 ft. County engr.

Wis., Fond du Lac—Mar. 14, by Fond du Lac Co. Hy. Com., grading, surfacing and bridging Waupun-Brandon Rd., State Trunk Highway 49 and Fond du Lac-Calumetville Rd., Trunk Highway 55, incl. 26,381 cu.yd. earth excav., 80,100 sq.yd. concrete surfacing, etc. G. Treleven, comr.

Wis., Juneau—Mar. 18, by Dodge Co. Hy. Com., Court House, grading, surfacing and bridging Oconomowoc-Mayville Rd. Mayville Woodland Rd., Hustisford-Horicon Rd., and Hustisford-Lebanon Rd., incl. 120,683 cu.yd. earth excav., 406,880 sq.yd. pavement, some concrete. E. T. Klug, comr.

Wis., Kilbourn — Mar. 14, by W. B. Shute, village clk., paving Washington Ave., Eddy and La Crosse Sts., 13,834 sq.yd. concrete or vibrolithic concrete, 5,650 lin.ft. concrete curb and gutter, 1,000 lin.ft. 10- to 12-in. storm sewer, 300 lin.ft. 12 in. sanitary sewer, 2,986 lin.ft. 4- to 8-in. water mains. E. B. Parson, Jefferson, engr.

Wis., Madison—Mar. 12, by Dane Co. Hy. Comn., constructing roads, incl. Parker Ave., Town Burke, 2,956 sq.yd. concrete, etc; Grady Rd., Town Madison, 2,875 sq.yd. concrete; Middleton Corner cut off, Town Middleton, 1,788 sq.yd. concrete; Job 10484, Town Perry, 3,600 sq.yd. concrete, 2,000 cu.yd. crushed stone, etc. Bids to be received on combination Parker Ave., Grady and Middleton Corner cut off Rds. J. R. Caldwell, comr.

Wis., Port Washington — Mar. 13, by Ozaukee Co. Hy. Com. and Village Bd., Thiensville, constructing Sect. A, Brown Deer-Cedarburg Rd., part in village of Thiensville, 19,100 cu.yd. earth excav., 68,300 sq.yd. surfacing concrete or vibrolithic; Sect. B, Brown Deer-Cedarburg Rd., part in city Cedarburg and Ozaukee Co., 8,899 sq.yd. earth excav., 28,300 sq.yd. concrete surfacing, etc. W. Ubbink, comr.

Wis., West Allis—Mar. 14, at office Acting Bd. Pub. Wks. improving various avenues, bids on sheet asphalt pavement with binder (heavy traffic), sheet asphalt pavement with binder (light traffic), concrete wearing surface, and vibrolithic concrete pavement. A. L. Wichner, supt. Pub. Wks.; adv. E. N.-R. Mar. 6.

Minnesota—Mar. 25, by State Hy. Dept., St. Paul, 5 mi. road between Friesland and Sandstone, 1-44, Sect. 2, Div. A, Federal Aid Project 1, 51,000 sq.yd. concrete, 33,000 cu.yd. excav., $125,000; 11 mi. between Foxhome and Fergus Falls 3-49, Federal Aid Project 351, 144,000 cu.yd. excav., $30,000; 6 mi. between Minneopa and Mankato, 5-28, Federal Aid Project 320, 138,000 cu.yd. excav., $28,000; 11 mi. between New Ulm and Lafayette, 15-30, Divs. A and B, Federal Aid Project 341, 204,000 cu.yd. excav., also Bridge 4189, 30 ft. long, concrete, $50,000; 7 mi. between Ogilvie and Mora, 122,000 cu.yd. excav., 23-24, Federal Aid Project 337, $25,000; 8.6 mi. between Mora and Quamba, 23-30, Div. A, Federal Aid Project 257, 104,000 cu.yd. excav., $25,000; 6 mi. between Erhart and Pelican Rapids, 30-26, Federal Aid Project 354, 108,000 cu.yd. excav., also Bridge 4199, 50 ft. long, concrete, $28,000. State Highway Dept., St. Paul, engrs.

Minn., Moorhead—Mar. 24, by R. C. Price, city clk., paving, curbing and guttering 5 blocks 10th St. N. between Center and 5th Aves $25,000.

Minn., Two Harbors—Mar. 10, paving, grading, curbing and sidewalks on Wilson St. between S and 7th Aves. and 2 blocks Cedar St. between 5th and 7th Aves. $30,000. E. Carlson, clk.

Kan., Wichita—Mar. 10, by R. L. Brockway, city engr. 37,000 sq.yd. concrete,

Streets and Roads (Continued)

11,000 cu.yd. excav., 16,500 ft. concrete curb and gutter. Noted Feb. 28.

Kan., Wichita—Mar. 10, by City Comn. paving with asphaltic concrete Madison, Indianapolis, Ida, Minnesota, Elizabeth and Emporia Aves., Zimmerman, 15th, Grove and Wichita Sts., 27,689 sq.yd. paving, 7,797 cu.yd. excav., 12,983 lin.ft. combined curb and gutter, 385 lin.ft. curbing, 294 lin.ft. gutter, etc.; with sheet asphalt Douglas Ave., Victor Place and Palisade St., 3,772 sq.yd. paving, 1,518 cu.yd. excav., 2,648 lin. ft. combined curb and gutter, 60 lin.ft. curb, 36 cu.yd. gutter, etc.; with concrete, 1 alley, Martinson, Dayton, Ellis, Harrison, Lewellen, Ida, Murdock and Jackson Aves., 2nd, 15th, Green and Morris Sts., 32,231 sq.yd. paving, 9,724 cu.yd. excav., 17,078 lin.ft. combined curb and gutter, 1,310 lin. ft. curb, 1,004 lin.ft. gutter, etc.; with brick Mosley Ave., 460 sq.yd. pavement, 500 cu.yd. excav., 290 lin. ft. combined curb and gutter, 30 lin.ft. gutter, 30 lin.ft. curb. $240,000. P. L. Brockway, City Bldg., engr. Noted Feb. 28.

Mo., Cape Girardeau—Mar. 17, by A. P. Behrens, city clk., City Hall, improving Harmony and Dunklin Aves., 13,328 sq.yd. 6 in. plain concrete, 8,550 lin.ft. concrete curb and gutter, 6,761 cu.yd. excav. J. B. Heagler, city engr.

Mo., Jefferson City — Taking bids improving Bway. and Hart Sts., 830 sq.yd. sledge stone base, 150 cu.yd. crushed stone, 6,000 sq.yd. scarifying, reshaping and rolling, 6,830 sq.yd. macadam penetration surface. F. E. Ross, City Hall, engr.

Mo., St. Louis—April 1, by Bd. Pub. Serv., 208 City Hall, paving 9,000 sq.yd. Lee St., warrenite bitulithic, $24,320; 14,200 sq.yd. 9th and Penrose Sts., bitulithic, $42,040; 64,073 sq.yd. Flad Ave., Botanical, Castleman, and Cleveland Sts., willite asphalt, $293.620; alleys in City Blocks 5331 and 5332, concrete, $8.920; cement sidewalks on Arsenal and Sublette Aves., 4,200; granite curbing and willite asphalt paving 4,190 sq.yd. Loughborough St., $24,000. W. W. Horner, City engr.

Tex., Angleton—Mar. 11, by J. T. Loggins, judge Brazoria Co., grading 10.88 mi. State Highway 19, Federal Aid Project 367-B, 24 ft., $37,052. Surfacing with shell and crushed rock with 1½ in. bituminous topping to be let later. H. W. Munson, Jr., Angleton, engr. Noted Feb. 28.

Tex., Canton—Mar. 14, by E. L. Hubbard, judge Van Zandt Co., grading and rein.-con. surfacing 7.14 mi. State Highway 15, Federal Aid Project 363-C, 9 and 18 ft. $148,925. J. H. Bray, Grand Saline, co. engr. Noted Feb. 28.

Tex., Colorado—City Com. taking bids paving 9 blocks, warrenite bitulithic on concrete. $50,000. F. F. Dubose, Colorado, engr.

Okla., Blackwell — Taking bids grading and paving 5 blocks 7th and B Sts., 5,700 sq.yd. concrete, 3,000 lin.ft. curbing, etc. $27,500. W. Ritzhaupt, Blackwell, engr.

Colorado—Mar. 11, by State Hy. Dept., Denver, paving 2.339 mi. Federal Aid Project 17-R, El Paso Co., 90 cu.yd. concrete, 10,800 sta. yds. overhaul, 12,000 cu.yd. common, 100 cu.yd. rock and 4,200 cu.yd. borrow fill excav., 24,710 sq.yd. one course plain cement concrete, alternate bids for bituminous on concrete, $83,893; concrete viaduct over tracks of Denver & Salt Lake R.R. on Denver-Brighton Rd., Federal Aid Project 257, Adams Co. L. D. Blauvelt, state highway engr.

Wash., Chehalis—Mar. 17, by City Comn., 160,000 lin.ft. concrete sidewalks on McFadden Ave. et al., LID 173, $40,000. B. Bantz, Chehalis, engr.

California—Mar. 17, by State Hy. Comn., Sacramento, paving with asphaltic concrete and widening with waterbound macadam shoulders, 3.7 mi. between Milpitas and Coyote Creek, Santa Clara Co. R. M. Morton, state highway engr. Noted Feb. 14.

Calif., Los Angeles—Mar. 17, by Supervs. Los Angeles Co., widening over 10 mi. Palmdale-Valyermo Rd., 1 ft. on each side, incl. 112,780 sq.ft. 6 in. asphaltic concrete.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Feb. 27, sheet asphalt paving (1) Banker St. (2) Delamere Pl. (3) East 9th St. (4) Empire Blvd. (5) Hopkinson Ave. (6) Ave. L (7) Osborn St. (8) Riverdale Ave. (9) West 8th St. (10) 11th Ave. (11) 43rd St. (12) 63rd St. (13) 68th St. (14) 76th St., paving (15) Van Dam St., grade 1 granite, curbing and flagging (16) Delamere Pl., grading, curbing and flagging (17) East 9th St. (18) Empire Blvd. (19) 71st St. (20) 76th St., curbing, flagging and sheet asphalt paving (21) 58th St., curbing and sheet asphalt paving (22) 81st St., from Borough Asphalt Co., 1301 Metropolitan Ave., (1) $20,405 (4) $7,208 (5) $8,495 (7) $5,749 (8) $18,699; Cranford Co., 52 9th St., (2) $9,625 (3) $9,306 (6) $17,165 (9) $18,680 (10) $3,967 (11) $8,435 (12) $10,827 (13) $5,871 (14) $8,977 (21) $9,199 (22) $8,238; J. Meehan & Son, 74 Cortlandt St., New York (15) $12,862; W. J. McHale Contg. Co., 1250 Jefferson St., (16) $2,887; Interstate Contg. Co., (17) $4,078 (18) $8,801 (19) $4,239; Galecor Contg. Co., 507 Greenwich St., New York, (20) $3,543. Noted Feb. 21.

N. Y., New York—Dept. Plant Structures, Municipal Bldg., Feb. 26, westerly flooring on steel approaches of Manhattan Bridge, from Keppler Constr. Co., 343 Lewis Ave., Brooklyn, $24,653. Noted Feb. 21.

W. Va., Williamson—Mingo Co., 6 mi. Rockhouse Creek Rd., from Ballard-Herring Co., Inc., Bedford, $33,000. Noted Feb. 14.

Ky., Louisville—Bd. Pub. Wks. reconstructing 24th St., Garland and Central Aves., from H. Bickel Co., 133 Garden St., $62,000.

O., Akron—W. F. Peters, dir. Pub. Serv., Feb. 27, grading, cement sidewalks, guttering and paving with (a) asphalt (b) brick (1) 5,000 sq.yd. Aqueduct St. (2) 750 ft. Allyn St., 24 ft. (3) 2,220 ft. Big Falls Ave., 22 ft. (4) 1,165 ft. South Arlington St., 44 ft. (5) 335 ft. Power St., 24 ft., grading, cement sidewalks and cindering (6) 11,500 cu.yd. McKinley Ave. (7) 3,500 cu.yd. Mildred Ave. (8) 2,550 cu.yd. Springdale St., from Columbus Asphalt Paving Co., 304 Buckeye Bldg., (a1) $28,029, engrs. est. $33,400, (a3) $37,224, $42,055 (a4) $27,494, $31,887; T. E. McShaffrey Constr. Co., 171 South Forge St., (a2) $16,503, $17,784 (a5) $11,060, $11,361; Hollinger & Davidson, 435 South Bway., (b2) $16,995, $18,033 (b3) $39,607, $42,794; Victor Olson Contg. Co., 501 Herberich Bldg., (b4) $30,285, $32,729; McAlonan Bros., 127 West Buchtel Ave., (b5) $10,994, $11,595; E. H. Rawle, 1466 Holly Ave., (6) $25,442, $38,027; T. Timmis, 392 Cornell St., (7) $11,194, $13,341; Lombardi & Bowlus, 249 Crosby St., (8) $9,478, $11,295. Noted Feb. 21.

Wis., Green Bay—Brown Co., concrete surfacing, etc., East De Pere Rd., from E. Schuster, Denmark, $75,645; Dixon Rd., from M. Martin Constr. Co., Berlin, $52,-031; Greenleaf-Lark Rd. and State Rd., from H. O. Schaefer & Sons, Green Bay, $94,345 and $58,627 respectively. Noted Feb. 14.

Wis., Plymouth—New pavement, etc. on various streets with concrete, from A. Larson & Co., 418 South Barstow St., Eau Claire, $122,596; vibrolithic concrete, from Butler & O'Connor, 639 Hamm Bldg., St. Paul, Minn., $124,837; sheet asphalt, bitulithic and asphaltic concrete, from F. P. Coughlin Co., 30 South La Salle St., Chicago, $140,150, $144,515 and $135,350 respectively. Noted Jan. 31.

Missouri—State Hy. Dept., Jefferson City, Feb. 21, grading 3.798 mi. and 3.864 mi. Kansas City-St. Louis Rd., 34 ft., Howard Co., from Tibetts & Tibetts, Olathe, Kan., $64,002 and $19,882 respectively, 1.058 mi. Jefferson City-St. Louis Rd., 30 ft., Osage Co., from Doe Lla & Kolkmeyer, Jefferson City, $8,262, 3.42 mi. Kansas City-St. Louis Rd., 34 ft., Howard Co., from Reynolds, Blocker & Crews, Carruthersville, $36,957, 4.339 mi. Kansas City-St. Louis Rd., 34 ft., Boone Co., from Short & Bramer, Monett, $39,801, 4.962 mi. Kansas City-St. Louis Rd., 34 ft., Boone Co., from General Constr. Co., 408 Pine St., St. Louis, $37,700, 1.917 mi. road from Daviess Co. line east, 30 ft., Grundy Co., from C. L. Jackson, Warrensburg, $7,272, 0.845 mi. road from Hannibal north, Marion Co., from Cameron-Joyce & Co., Keokuk, Ia., $5,894, 3.501 mi. road from Mansfield west, 26 ft., Wright Co., from Summerfield Jones, Billings, $17,256; grading and gravel surfacing 52,800 sq.yd. road from New Bloomfield south, Callaway Co., also 20,158 sq. yd. Jefferson City-St. Louis Rd., Osage Co., from Felix Kersting Co., Jefferson City, $22,176 and $11,490 respectively, 35,193 sq.yd. road from Montgomery City south, Montgomery Co., from Teague Holmes Co., Troy, $29,299, 47,210 sq.yd. road from Unionville north and south, Putnam Co., from J. L. Simmons, La Plata, $20,099 and Keefner & Geile, Perryville, $20,099, 6,757 sq.yd. road from Moniteau south, Warren Co., from J. L. Moss, Box 165, R.R. 5, Webster Groves, $13,748, 31,629 sq.yd. road from Neosho south, Newton Co., from Kelly & Underwood, Granby, $24,612; graveling and concrete paving 23,123 sq.yd. road from Princeton north and south, Mercer Co., from C. H. Atkinson Paving Co., Watertown, S. D., $44,426. State to furnish cement, crushed stone and gravel. Noted Feb. 21.

Missouri — State Hy. Dept., Jefferson City, Feb. 21, grading and graveling 40,312 sq.yd. road from Princeton north and south, Mercer Co., from J. L. Simmons, La Plata, $24,382, 37,573 sq.yd. Fairfax-Tarkio Rd., Atchison Co., from Harrison Constr. Co., Des Moines, Ia., $20,571, State furnishes gravel on both; grading 0.964 mi. road, 30 ft., from Moberly east, Randolph Co., from Woodsmall & Woodsmall, Marshall, $13,058, 2.286 mi. Eldon-Linn Creek Rd., 24 ft., Camden Co., from C. F. Johnson & Son, Buffalo, $30,916, 4.295 mi. road from Lancaster south, 30 ft., Schuyler Co., from Wilson Constr. Co., Warrensburg, $25,532; concrete surfacing 8,331 sq. yd. road from Hannibal north, Marion Co., from Cameron-Joyce & Co., Keokuk, Ia., $23,668, State furnishes cement; graveling and concrete paving 21,135 sq.yd. Fairfax-Tarkio Rd., Atchison Co., from O. H. Schmidt, St. Joseph, $47,906, State furnishes cement, crushed stone and gravel. Noted Feb. 21.

Tex., Ballinger — Runnels Co., grading, etc., State Highway 30, Hatchell Rd., 43,480 cu.yd. roadway, 42,194 cu.yd. borrow, 3,374.5 cu.yd. loose and 1,173.3 cu.yd. solid rock excav., 1,376 cu.yd. concrete, 168,357 lb. reinforcing, from Tibbetts Constr. Co., 209½ West 8th St., Ft. Worth, $54,501. Noted Feb. 7.

Colorado—State Hy. Dept., Denver, concrete paving 6.335 mi. Federal Aid 226-C Paving Div. 2, Weld Co., from J. F. Roberts & Sons, Tramway Bldg., Denver, $175,648; gravel surfacing and bridging 1.613 mi. Federal Aid Project 243-A, Archuleta Co., from Shields & Kyle, Pagosa Springs, $48,311.

Calif., Pittsburg — Improving Railroad Ave. (1) 93,565 sq.ft. 6 in. concrete (2) 3,895 sq.ft. concrete curb (3) 3,555 cu.yd. grading, from Hutchinson Co., Hutchinson Bldg., Oakland (1) $0.21 (2) $0.50 (3) $1.20; Heafey-Moore-McNair, 2030 High St., Oakland (1) $0.216 (2) $0.60 (3) $1.10.

Calif., San Diego — Improving Union, Brant & Curlew Sts., incl. 175,649 sq.ft. of 1½ in. sheet asphalt on 2½ in. bituminous, 5,810 sq.ft. concrete sidewalk, 1,190 lin.ft. concrete curb, also improving A, B, Ash, Granada, Fern and other streets, incl. 144,385 sq.ft. of 1½ in. sheet asphalt on 4 in. concrete, 496,588 sq.ft. of 1½ in. sheet asphalt on 2½ in. butiminous, 21,610 sq.ft. concrete sidewalk, 4,564 lin.ft. concrete curb, from Griffith Co., 25 14th St., $32,927 and $119,-927 respectively; Woolman Ave. and N St., incl. 206,196 sq.ft. of 1½ in. Warrenite on 3 in. asphalt, 7,817 sq.ft. concrete sidewalk, 1,571 lin.ft. concrete curb from California Constr. Co., Union Bldg., $50,565. Noted Jan. 10 and Jan. 17.

Calif., San Francisco—Improving Silver Ave. between Merrill and Vienna Sts., from Municipal Constr. Co., 112 Lyon St., 7,000 cu.yd. cut $0.53, 28 brick catch basins $75, 102,016 sq.yd. concrete pavement. $0.0224, etc., total $31,374.

CONTRACTS AWARDED

New Hampshire—State Hy. Dept., Concord, paving with field stone and gravel 0.994 mi. road, 18 ft., in Peterboro, to R. E. Bull, 151 Harrison Ave., Fitchburg, Mass., $26,798. Noted Feb. 28.

Vermont — Dept. Highways, Montpelier, constructing 1.53 mi. Munson Flat Rd., Federal Aid Project 41, in Colchester, 3,321 cu.yd. one course rein.-con. 12,620 lb. reinforcing steel, 3,267 cu.yd. earth excav., 5,970 cu.yd. borrow, to Atwood, Thomas Constr. Co., Middleboro, Mass., $82,209.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to Borough Asphalt Co., 1301 Metropolitan Ave., sheet asphalt paving Brooklyn Ave. $10,382, East 38th St. $7,201, Sheffield Ave. $8,180; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., sheet asphalt paving Rutherford Pl. $7,970, curbing and sheet asphalt paving West 10th St. $20,843; to W. G. Grimm, curbing and flagging Ave. M $409; to W. J. McHale Contg. Co., 1250 Jefferson St., curbing and flagging Ovington Ave. $2,249; to Galecor Contg. Co., 507 Greenwich St., New York City, curbing and flagging Rutherford Pl. $3,563. Noted Feb. 28.

N. Y., Kenmore—Paving various streets, concrete, to Peoples Paving Co., 85 Roma Ave., Buffalo, $275,880.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro. Queens Subway Bldg., to C. Kurth, 9519 126th St., Richmond Hill, grading, curbing, laying sidewalks, etc., on Ambrose and Edson Sts., $7,789 and $6,354 respectively to Highway Impvt. & Repair Co., grading, curbing, laying sidewalks, etc., on Chaffee St. $5,479, 80th St. $33,128, 85th St. $5,300, receiving basins and paving 39th St., $17,907. Noted Feb. 21.

Streets and Roads (Continued)

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, regrading, curbing, recurbing and sheet asphalt paving unpaved portion of Riverside Dr., etc., to C. D. Beckwith, Inc., 2875 Bway., $888,868. Noted Feb. 21.

D. C., Wash.—Dist. Comrs., resurfacing several streets from McGuire & Rolfe Inc., Virginia Ry. & Power Bldg., Richmond, Va., $200,000.

W. Va., Charleston—Kanawha Co., 7 mi. grading, etc., along Lens Creek, to I. J. Chandler, Virgilina, Va., $84,760.

W. Va., Huntington—Paving crossroads north from Norway Ave., Sycamore, Highland and 18th Sts., Underwood Ave., etc., 4 in. vitr. brick cement filler on 5 in. concrete, to G. Hinkle, Huntington, $58,746. Noted Feb. 7.

Alabama—State Hy. Comn., Montgomery, about 6 mi. grading and asphalt paving Bryce Insane Hospital Rd., 20 ft., to Finnell & Toothacker, Tuscaloosa, $86,096. Engrs. est. $90,000.

Ala., Birmingham — Grading, asphalt paving, etc., 10 blocks, new section of North Highlands, to be known as Sudduth Hill, 30 ft., to H. N. Bowdry, Empire Bldg., $69,823.

Ala., Birmingham—City Comn. improving 26th St., Ensley, to Ling & Poland, Birmingham, $5,000; 17th Pl., to W. Fromhold, Birmingham, $6,870; Ave. Q, Ensley, 49th, 50th and 52nd Sts., to Henning & Brown, Birmingham, $33,070; 35th St., to Southern Roads Co., American Trades Bldg., Birmingham, $7,900; 13th Ave. and 23rd St., to H. W. Bowdry, Birmingham, $6,200; 2nd Ave., 45th and 49th Sts., to P. Richter, 1801 Pearson Ave., Birmingham, $86,865.

Tenn., Pulaski—Will pave 1st, 2nd and 3rd Sts., limestone base, probably rock asphalt surface, by day labor. $130,000. B. H. Klyce, 4th and 1st Natl. Bank Bldg., Nashville, engr.

Ky., Louisville — Reconstructing Clay, Logan, 31st, 22nd, 24th, and Wenzel Sts. to H. Bickel & Co., 443 Garden St., $49,100.

O., New Philadelphia—Tuscarawas Co. paving 7 mi. road, waterbound macadam, to Holmes Constr. Co., Wooster, $107 900. Noted Jan. 24.

Illinois—Dept. Pub. Wks. and Buildings, Div. of Highways, Springfield, grading and concrete paving, etc., 26.4 mi. Route 2, Div. B, from Pana to Vandalia, to C. J. Moritz, and Mantz & Oren, Effingham, $525,947; 32 mi. Route 2, Div. A, from Decatur to Pana, to W. C. Meneely Co., Decatur, $622,910.

Ill., Belleville—St. Clair Co., concrete paving 3 mi. East St. Louis-Granite City Rd., and 0.5 mi. East St. Louis-Gahokia Rd., both 18 ft. wide, to F. L. Dieckman, East St. Louis, $69,000 and $12,950 respectively; 1.25 mi. Scott Field-Belleville Rd., to Hoeffker Constr. Co., Belleville, $37,860. Noted July 19.

Ia., Atlantic—Improving 19 blocks various streets, 17,148 sq.yd. concrete paving, 10,309 lin. ft. concrete curb and gutter, to F. O. Akin, Atlantic, $2.44 per sq.yd. Noted Feb. 7.

Ia., Cedar Falls—Paving, concrete curbing, etc., 11,320 sq.yd. Lincoln and North Franklin Sts., to Moore-Young Constr. Co., Waterloo, $2.98 per sq.yd. for paving, $0.69 per lin.ft. for curbing. Noted Dec. 27.

Ia., Dubuque—Paving 14 mi. various streets; sheet asphalt to J. Rassmussen Sons Co., Oshkosh, Wis., $240,000; hard surfacing to Ullrich Paley Co., 422 Garfield Ave., $220,000. Noted Aug. 16.

Ia., Moulton—Paving 28 blocks, 7-in. rein.-con., to Wright Brothers Constr. Co., 211 Flynn Blk., Des Moines, about $91,500. Noted Feb. 7.

Minn., Minneapolis—City will pave 20 mi. streets and alleys, by day labor. Work involves 150,000 sq.yd. asphaltic concrete, 100,000 sq.yd. 3½-in. creosoted wood blocks, recut granite and 30,000 sq.yd. brick. $1,500,000. N. W. Elsberg, city engr.

Mont., Great Falls—Improving Central Ave. from Park Dr. to 6th St., 12,459 sq. yd. bitulithic, etc., to Birch & Son, Ford Blk., $42,169. Noted Feb. 21.

Tex., Alpine — Brewster Co. grading, gravel and caliche surfacing 15 mi. State Highway 3, 18 ft., to G. Alvis, Whitesboro, $76,948. Noted Jan. 31.

Tex., Lamesa—Paving 31,400 sq.yd. 1½ in. Amiesite on 5 in. concrete, 10,000 cu.yd. excav., 3,630 ft. curb and gutter, etc., on Square and miscellaneous business streets, to Panhandle Constr. Co., Amarillo, $85,000. Noted Dec. 20.

Utah — State Road Comn., Salt Lake City, grading and paving 8.56 mi. Payson-Juab Rd., 18 ft., 5- to 7-in. plain concrete, Utah Co., to Wasatch Grading Co., Provo, $261,469, engrs. est. $275,000; grading and gravel surfacing 39.55 mi. Knolls Wendover Rd., 20 ft., Tooele Co., to Kroft, Bundy, Zimmer & Lomus, Salt Lake City, $280,000, 13.87 mi. Chicken Creek-Millard Rd., 20 ft., Juab Co., to Hawley, Anderson & Hinckley, Salt Lake City, $135,300. Noted Nov. 22.

Wash., Seattle—Bd. Pub. Wks., paving North 59th St. et al., to Fiorito Bros., 3950 6th St. N. W., $56,757. Engrs. est. $64,987. Noted Feb. 28.

California — State Hy. Comn., Sacramento, improving 11.9 mi. highway between 2¼ mi. east of Sand Hills and Colorado River, Imperial Co., to Kisselburg, Schmidt & Hitchcock, South Central Ave. and Apache St., Phoenix, Ariz., 94,200 cu.yd. roadway excav. without classification $0.57, 156,500 sta.yd. overhaul $0.02, 25,800 cu.yd. crushed gravel or broken stone surface $2.58, hauling 70,000 yd. mi. crushed gravel or stone $0.40, 210 cu.yd. cement concrete $27, 175 cwts. bar reinforcing steel in place, $11.25, etc., total $165,437. engrs. est. $177,259. Noted Feb. 7.

Calif., Bakersfield—Kern Co., improving Rd. 283, 2 in. Willite on 4 in. bituminous, to J. A. Dowling, Bakersfield, $47,700. Noted Jan. 31.

Calif., Fresno — Improving Lewis Ave., 118,194 sq.ft. grading, 86,824 sq.ft. asphalt, 5,281 lin.ft. concrete curb, 8,973 sq.ft. concrete gutter, 24,814 sq.ft. cement walks, to Thompson Bros., Divisadero and G Sts., $38,784. Noted Feb. 14.

Calif., Inglewood—Improving Edgewood St., Manor Dr., etc., 164,840 sq.ft. grading, 100,207 sq.ft. 5 in. macadam, 12,282 sq.ft. walks, 4,860 ft. curb, to J. McNamee, 750 South Figueroa St., Los Angeles, $25,365.

Calif., Los Angeles—Improving Larchmont Blvd. between Melrose St. and Beverly Blvd., 76,664 sq.ft. Warrenite bituminous, to Los Angeles Paving Co., 2900 Santa Fe Ave., $25,225; Raymond Ave. between 59th Pl. and 64th St., 286,358 sq.ft. oil and roll, etc., to Chalmers & Ford, H. W. Hellman Bldg., $21,200. Noted Jan. 31.

Calif., Riverside—Riverside Co., Route 8, Beaumont to foot of Moreno Grade, Jack Rabbit Trail, 33,652 lin.ft. 20 ft. shaping, 33,652 lin.ft. 18 ft. macadam, etc., to R. T. Shea, Riverside, $107,375.

Calif., San Diego—La Jolla Properties, Inc., 655 Spreckels Bldg., grading and curbing roads, alleys, lanes, etc., in La Jolla Hermosa Subdivision 1, to Pioneer Truck Co., 954 3rd St., $76,780.

Calif., San Diego—Improving San Marcos Ave., Maple St., etc., incl. 188,080 sq.ft. of 1½ in. sheet asphalt on 4 in. cement concrete, 2,345 sq.ft. cement concrete sidewalk, to D. H. Ryan, 1615 Fern St., $40,948. Noted Feb. 7.

Calif., Stockton—San Joaquin Co., to W. Moreing, 232 West Vine St., improving 3.7 mi. Taylor-Ferry Rd., 3,000 cu.yd. grading, 7,690 tons gravel or 6,760 tons base rock, 2,700 tons top rock, 1,250 tons dressing for oil, 1,035 bbl. asphalt oil, $32,695; Eight Mile Rd., 9,520 cu.yd. grading, 9,930 tons gravel or 8,430 tons crushed rock, etc., $25,244; Harney Lane Rd., 1,200 cu.yd. grading, 5,450 tons gravel or 4,620 tons crushed rock, etc., $17,328. Noted Feb. 21.

Industrial Works

PROPOSED WORK

Mass., Peabody—Machine Shop—Smith & Walker, archts., 80 Boylston St., Boston, preparing plans 2 story, 50 x 150 ft. $65,000. Owner's name withheld.

R. I., Providence—Service Station—Providence Gas Co., Weybosset St., having plans prepared by Jenks & Ballou, 72 Weybosset St., storehouse, meter shop, filters shop, garage and offices, Potters Ave. and Dexter St.

N. Y., Buffalo—Factory—Fedders Mfg. Co., 57 Tonawanda St., purchased 120 x 175 ft. and 50 x 71 ft. sites, and plans to increase size of plant. Engineer and architect not selected.

N. Y., Buffalo—Factory—S. Bock, 77-79 Swan St., having preliminary plans prepared by Essenwein & Johnson, Ellicott Sq. Bldg., 4 story and basement, 140 x 240 ft., concrete and steel, Oak and Goodell Sts. To exceed $160,000.

N. Y., Long Island City—Housing Station—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., rejected bids Feb. 11, housing station, 62nd Rd. and 94th St. Noted Feb. 21.

N. Y., New York—Publishing—Pictorial Review, 7th Ave. and 37th St., soon takes bids 14 story, 200 x 500 ft., rein.-con., brick and steel, plain foundation, 9th Ave. and 34th St., $6,500,000. C. Place, 70 East 45th St., engr. Renwick, Aspinwall & Tucker, 8 West 40th St., archts. Noted Jan. 3.

N. Y., Watertown—Plant—J. B. Wise Co., 401 Mill St., plans repairing and rebuilding concrete, brick and steel plant, recently damaged by fire. $40,000-$50,000. Address L. H. Mitchell, mgr.

Pa., Phila.—Shop—H. S. Getty & Co. Inc., 1539 Cabot St., having plans prepared by Walker & Carswell, 1015 Chestnut St., 1 story, 40 x 80 ft. and 32 x 80 ft. brick and steel, plain foundation, Stokley St. below Hunting Park Ave. $40,000.

W. Va., Arcola—Lumber Mill—Smoot Lumber Co. plans to rebuild lumber mill, recently destroyed by fire. $50,000.

Tenn., Milan—Factory—Milan Improvement Assn. plans cigar factory. $40.000. Amer. Cigar Co., lessee.

Tenn., Nashville — Plant — Nashville, Chattanooga & St. Louis R.R. Co., Exch. Bldg., St. Louis, Mo., plans ballast plant near here. $40,000.

Ky., Louisville—Tanks—Louisville Petroleum Co., Inter Southern Bldg., plans two large tanks at refinery near State Fair Grounds. $45,000.

Ky., Louisville — Factory — Kentucky Workshop for Adult Blind, Frankfort and Bellaire Aves., having plans prepared by Nevin, Morgan & Wischmeyer, Starks Bldg., 2 story and basement, 39 x 108 ft., brick and rein.-con. $80,000.

O., Cleveland—Factory—Motor Repair & Mfg. Co., 1549 Hamilton Ave., had plans prepared 1 and 2 story, 20 x 60 ft. and 60 x 100 ft. brick and steel factory additions. $40,000. C. Levinson, pres. Private plans.

O., Geneva—Plant—Champion Hardware Co. having plans prepared by Lockwood, Greene & Co., engrs., Hanna Bldg., Cleveland, 3 story and basement, 50 x 130 ft., rein.-con. addition.

O., Portsmouth—Plant—Kah-Patterson Printing Co. having plans prepared 3 story and basement, 62 x 107 ft., brick and concrete, 5th St. $60,000. Private plans.

Ind., Noblesville — Plant — New Process Steel Co. plans 2 additional units to plant. To exceed $40,000.

Ind., Valparaiso—Roundhouse and Shop—Pennsylvania R.R., Broad St., Phila., Pa., plans roundhouse and shop to replace those recently destroyed by fire, here. $40,000. H. R. Leonard, ch. engr. bridges and buildings.

Ill., Chicago—Factory—Western Shade Cloth Co., 22nd and Jefferson Sts., soon takes bids 2 story, 125 x 400 ft., fireproof, 22nd and Jefferson Sts. $500,000. Lockwood-Greene & Co., 38 South Dearborn St., archts.

Ill., La Salle—Gas Plant—Illinois Power and Light Corp., 232 South Clerk St., Chicago, having plans prepared water gas plant $50,000, high pressure mains, $30,000, here.

Wis., Milwaukee—Plant—Northern Conveyor & Mfg. Co., 3204 Auer Ave., plans 1 story, 98 x 250 ft., brick and steel, plain foundation. Engineer and architect not selected.

Wis., Milwaukee—Steam Turbine Room—Milwaukee Electric Ry. & Light Co., 2nd and Sycamore Sts., having preliminary plans prepared by F. A. Luber, archt. and engr., c/o owner, 2 story, brick and concrete addition, plain foundation.

Mo., Kansas City—Sub-Station—Kansas City Power & Light Co., 1330 Grand Ave., soon takes bids 1 story and basement, 60 x 107 ft., rein.-con., brick and steel. $40,000. Private plans.

Ark., Fayetteville—Plant—Local syndicate having preliminary plans prepared by Southern Gas Con. Co., 828 Littlefield Bldg., Austin, Tex., modern gas and coke plant. $175,000.

Tex., Haskell—Western Cotton Oil Co. prepared plans 50 x 150 ft. factory, brick and concrete, $100,000; plans 40 x 50 ft. power plant, $40,000. Private plans. Noted Oct. 25.

Tex., Houston—Packing House—Texas Packing Co., 110 Milan St., had plans prepared by J. Finger, Keystone Bldg., 3 story, basement and sub-basement, concrete and brick, at San Jacinto St. Bridge. $80,000-$100,000.

Wash., Longview—Plant—W. G. Schulz, Kelso, plans large plant on 40-acre site, near here.

California—Shops—See "Railways."

Calif., Los Angeles—Factory—Atchison, Topeka & Santa Fe Ry., 6th and Main Sts., Los Angeles, having preliminary plans prepared by W. J. Saunders, Laughlin Bldg., 6 story 115 x 375 ft., rein.-con., Imperial and 6th Sts. California Truck Co., 322 East 3rd St., lessee.

Calif., Los Angeles — Ice Plant — F. A. Maginnis, Kerckhoff Bldg., had plans prepared by Gay Eng. Co., 2650 Santa Fe Ave., rein.-con., 3rd St. To exceed $75,000.

Industrial Works (Continued)

Calif., Los Angeles—Ice Storage—Jefferson Ice Co., 157 East Jefferson St., having revised plans prepared by E. J. Borgmeyer, California Bldg., 5 story, 100 x 180 ft., rein.-con. Former bids rejected. Noted Jan. 31.

Calif., Sacramento—Packing Plant—J. P. Hynes Packing Corp., c/o Hemmings & Stark, archts., Ochsner Bldg., having plans prepared 1 story, 80 x 160 ft., rein.-con., E St. $40,000.

Calif., Ventura—Factory—Ventura Footwear Co. had plans prepared by Union Iron Wks., 5125 Santa Fe Ave., Los Angeles, 1 and 2 story, 40 x 140 ft., concrete and steel. Noted Jan. 31.

Que., Cap De La Madeline — Machine Room—St. Maurice Paper Co., having plans prepared machine room in connection with plant here. $50,000. G. A. Slater, engr. in charge.

Ont., St. Thomas — Shop and Round House—Canadian Natl. Ry. (C. B. Brown, Montreal, ch. engr.) and Wabash Ry. St. Thomas (R. H. Howard, St. Louis, Mo., ch. engr.) take bids about Apr. 1, rein.-con., here. $220,000.

BIDS DESIRED

N. J., Morris Plains—Boiler Plant—Mar. 26, at office Commissioner Institutions & Agencies, West Hanover St., Trenton, new boiler plant complete (rated capacity to 1700 hp.) at New Jersey State Hospital, here. A. B. Mills, dir. div. architecture and construction.

O., Toledo — Factory — Libbey-Owens Glass Co., Nicholas Bldg., taking bids and opens same about Mar. 12, 1 story (27 bays 24 x 136 ft. each), brick, steel and concrete. $1,000,000. Lockwood, Greene & Co., 24 Federal St., Boston, Mass., engrs. Noted Feb. 14.

Wis., Milwaukee—Factory—A. R. Investment Co., c/o C. J. Rice, 290 3rd St., taking bids 1 story, 62 x 120 ft., brick and timber, plain foundation, Holton St. $40,000. Private plans.

Wis., Milwaukee—Foundry—Mar. 15, by F. D. Chase, Inc., archts. and engrs., 645 North Michigan St., Chicago, brick and steel, plain foundation, Clinton St., for Prime Mfg. Co., 653 Clinton St. Noted Nov. 29.

Okla., Enid—Garage, Warehouse and Lumber Yard—Mar. 10, by R. W. Shaw, archt., 323 Masonic Temple, 2 story and part basement, 136 x 140 ft., brick, for Kiowa Lumber Co. $40,000.

BIDS RECEIVED

N. Y., Elba—Storage Plant—Elba Cold Storage Co., 73 East Eagel St., Buffalo, rein.-con., here, from Turner Constr. Co., 11 Goodell St., Buffalo, to exceed $75,000.

Ky., Louisville—Factory—Standard Sanitary Mfg. Co., 6th and A Sts., 4 story and basement, 160 x 450 ft., rein.-con., 7th and Jarvis Sts., from L. W. Hancock Constr. Co., Louisville Trust Bldg., about $700,000. Noted Jan. 31.

Calif., Sacramento—Shops, etc.—W. P. Fuller Co., 10th and R Sts., additions to 2 story and basement, rein.-con., brick and steel sash, storehouse and shops, from Herndon & Finnegan, 1814 17th St., $46,600. Noted Dec. 20.

CONTRACTS AWARDED

Mass., Holyoke—Mill—Crocker McElwain Co., 2 story addition to filter plant and factory, brick, Cabot St., to Daniel O'Connell Co., 480 Hampden St., $50,000.

Mass., Lawrence—Plant—Curran & Joyce Co., 435 Common St., 2 and 4 story, 204 x 240 ft., rein.-con., brick and steel, plain foundation, to S. C. Sperry Co., 299 Main St., Cambridge (Boston P. O.), $150,000. Noted Oct. 18.

N. Y., New York—Plant—New York Telephone Co., 15 Dey St., 3 story, rein.-con. and steel, White Plains Rd. and 242nd St., to Barney-Ahlers Constr. Corp., 110 West 40th St. Archts. est. $300,000.

N. Y., Yonkers—Plant—Alexander Smith Co., Elm. St. and Palisade Ave., 5 story, 100 x 321 ft., rein.-con. and steel plant addition, called picker building, to Barney-Ahlers Constr. Corp., 110 West 40th St., New York. Archts. est. $400,000.

N. J., Plainfield—Plants—International Photo Corp., two 4 story plant extensions, and 1 story heat treating plant, to Barney-Ahlers Constr. Corp., 110 West 40th St., New York City. Archts. est. $500,000.

Pa., Latrobe—Plant—Latrobe Ice & Provision Co., 1 story and part basement, 35 x 40 x 85 ft. brick and tile addition, to Permanent Constr. Co., Latrobe. Archts. est. $40,000.

Pa., Phila. — Factory — R. J. Ederer Thread Co., Unity and Elizabeth Sts., 3 story, 75 x 200 ft. rein.-con. and brick, plain foundation, to W. Steel & Sons Co., 219 North Broad St.

Pa., Phila.—Factory—Electric Storage Battery Co., 19th and Allegheny Aves., 1 and 2 story, 80 x 120 ft. brick and steel, plain foundation, to W. Steele & Sons Co., 219 North Broad St.

Pa., Pittsburgh — Factory — Pittsburgh Screw & Bolt Co., Preble Ave., will build 1 story, 100 x 250 ft. addition, by day labor. $100,000.

Pa., Pittsburgh — Factory, etc. — Pittsburgh Auto Equipment Co., 5933 Baum Blvd., 5 story and basement, rein.-con., brick and steel factory and store, Baum Blvd., to D. T. Riffle, 1006 Forbes St. Archts. est. $100,000.

Md., Baltimore—Plant—W. Knabe & Co. Div. of Amer. Piano Co., Eutaw and West Sts., 1 story, 111 x 247 ft., brick, plain foundation, Eutaw and West Sts., to Frainie Bros. & Haigley, 19 West Franklin St., $60,000. Noted Feb. 28.

Md., Dundalk (Branch of Baltimore)—Factory—Glidden Co., Madison St., N. W., Cleveland, O., 1 and 5 story, 50 x 120 ft., steel and corrugated iron, here, to Austin Co., 16112 Euclid Ave., Cleveland, O., $60,000.

Va., Portsmouth — Foundry — Southern Wheel Co., Railway Exch., St. Louis, Mo., 1 story, 90 x 150 ft., rein.-con. and steel, to Roberts & Co., Tuft Bldg., Atlanta, Ga.; bridge and iron work, to Virginia Bridge & Iron Co., Real Estate Exch. Bldg., Richmond. Engrs. est. $125,000.

Tenn., Knoxville—Plant—Fulton Mfg. Co., Kingston Park, steel and concrete addition, to J. M. Dunn & Co., Bway and Depot, $40,000.

Tenn., McKenzie—Plant—McKenzie Ice Co., 1 story, brick and concrete, 12 ton capacity, to E. Frazier & Co., McKenzie, $65,000.

O., Middletown—Factory—Oglesby Paper Co., 3 story and basement, 100 x 215 ft., brick, concrete and steel factory addition, to F. K. Vaughn Building Co., Dayton and Lowell Sts., Hamilton, $100,000. Noted Dec. 13.

Ind., Indianapolis—Freight Station, etc. —Chicago, Indianapolis & Louisville R.R., 608 South Dearborn St., Chicago, freight station and office building, concrete and steel, here, to Thompson & Binger, 223 North New Jersey St.; 275 tons structural steel to Corrugated Bar Co., 20 West Jackson Blvd., Chicago. Noted Feb. 28 under "Material and Equipment."

Mich., Detroit — Plant — Williams & Houghton, 222 West Conger St., 3 story and basement, 50 x 80 ft., rein.-con., brick and stone printing plant Wayne and Larned Sts., to Everett Winters Co., 1024 Book Bldg.

Minn., Minneapolis — Factory, etc. — Juckem Co., E. J. Juckem, pres., 215 8th St. S., 2 story and basement, 60 x 132 ft., rein.-con. and brick, 217 9th St. S., general contract to Farnam Constr. Co., 5047 Gladstone Ave. Total $45,000. Noted Feb. 7.

Minn., St. Paul—Factory—Collis Products Co., 201 Custer St., 1 story, 62 x 98 ft., brick and concrete, 65-75 Plato St., general contract to H. C. Struchen, 404 Dakota Bldg. Total cost $45,000.

Mo., St. Louis — Factory — Haynes-Langenberg Mfg. Co., 4525 North Euclid Ave., will build 1 story, 110 x 160 ft., steel and rein.-con., Euclid Ave. and Kingshighway N. E., by day labor. $40,000. J. C. Martin, Syndicate Trust Bldg., engr.

Tex., Dallas—Warehouse—See "Buildings" under Office.

Tex., Houston—Compress-Houston Compress Co., Ship Channel, 50 x 1,500 ft., concrete compress, to Raymond Concrete Pile Co., 611 Amer. Bank Bldg., Kansas City, Mo., $190,000.

Tex., San Juan—Cannery—Rio Grande Valley Canning Co., Brownsville, brick and concrete plant, 20,000 cans daily capacity, to J. M. Cochran, Marcedes. $41,000.

Okla., Ponca City—Plant—T. C. Woodruff, archt., Reynolds Bldg., Fort Worth, Tex., 2 story, 48 x 140 ft., brick, plain foundation, Grand Ave., to O. F. Keck, Ponco City. $65,000. Noted Dec. 13.

Calif., Los Angeles—Factory—Hawthorne Furniture Shops, 1200 East 8th St., 3 story, 75 x 100 ft., brick, Kohler St., to Nance Constr. Co., 5503 Sunset Blvd.

Calif., Los Angeles — Factory — Morris Furniture Co., 45th and Alameda Sts., 165 x 195 ft., to A. Chase, 223 Stock Exch. Bldg.

Calif., Los Angeles — Factory — G. L. Orecuo, c/o constractor, 1 story, 50 x 100 ft., brick, 60th St., to Austin Co. of California, Bartlett Bldg.

Calif., Los Angeles—Factory—Safety Electric Products Co., 1330 East 16th St., will build 1 story, 95 x 250 ft., brick, 16th St., by day labor.

Calif., Los Angeles—Planing Mill—Black Planing Mill, 641 Maple St., 1 story, 50 x 140 ft., brick, 62nd St., to Austin Co. of California, Bartlett Bldg.

Calif., South San Francisco (Branch San Francisco)—Ice Plant—Pacific Fruit Express Co., 65 Market St., San Francisco, rein.-con. and frame, 90 ton artificial ice plant, Visitacion Valley section, bids to D. R. Wagner, Call Bldg., San Francisco, $82,935.

Ont., Hamilton — Foundry — Canadian Westinghouse Co., Aberdeen St. W., 1 story, 100 x 500 ft. rein.-con., brick and steel, plain foundation, Aberdeen St. W., general contract to W. H. Yates Constr. Co., 17 Main St. E., structural steel to Hamilton Bridge Wks., Waterfront. Archts. est. $400,000.

Buildings

PROPOSED WORK

Mass., Boston—Apartment—D. Carlin and W. W. Cherney, 5 Beals St., Brookline (Boston P. O.), plan apartment, 36 Monmouth St., here. $400,000.

Mass., Boston—Theater—B. F. Keith Theater Co., 545 Washington St., plans 3 story, Essex and Chauncy Sts. $300,000. A. H. Bowditch, 44 Bromfield St., archt.

Mass., Brighton (Boston, P. O.)—High School—Bd. Aldermen, City Hall, Boston, plans high school, here. $1,000,000.

Mass., Brighton (Boston, P. O.)—Normal School—Commonwealth of Massachusetts, Bd. Educ., State House, Boston, had preliminary plans prepared brick normal school, here. $950,000.

Mass., Roxbury (Boston P. O.)—School and Library—School House Dept., City Hall, Boston, having plans prepared by H. A. Atwood, 61 Alban St., Dorchester (Boston P. O.), 3 story, Townsend St., here. $2,500,000.

Mass., Westfield — High School — City School Com. plans brick. $200,000-$300,000. Engineer and architect not selected.

Conn., New Haven—Business—Security Insurance Co., 115 Elm St., having plans prepared by H. K. Murphy, 1 Pershing Sq., New York City, brick and stone, fireproof, Whitney Ave. $500,000. Noted Mar. 1.

N. Y., Albany—Museum—State Building Comn. had plans prepared by W. P. R. Pember, archt. and engr., 24 James St., 1 story and basement, 100 x 300 ft., steel, plain foundation, Sheridan Park. $2,500,000.

N. Y., Buffalo—Office—T. Lasser, Prudential Bldg., plans 12 story, 120 x 180 ft., rein.-con., brick and steel, West Genesee St. $700,000. Engineers and architects names withheld.

N. Y., Brooklyn—High School—T. E. Malloy, bishop, c/o Robert J. Reiley, archt. and engr., 50 East 41st St., New York City, having preliminary plans prepared 4 story, brick, steel and stone, plain foundation, Eastern Parkway near Washington Ave. $1,000,000.

N. Y., Buffalo—Warehouse—D. Schunke, 463 Amherst St., having preliminary plans prepared by C. Schmill & Son, Prudential Bldg., 2 story and basement, 125 x 135 ft., rein.-con. $150,000.

N. Y., Dunkirk—School—Bd. Educ. having plans prepared by E. E. Joralemon, 482 Delaware Ave., Buffalo, 2 story and basement, 194 x 200 ft. school. $500,000.

N. Y., Glens Falls—Hospital—Warren Co. plans tuberculosis hospital, Gurney Lane, 4 mi. north of here. $300,000. Engineer and architect not selected.

N. Y., Great Neck—Club House—Lakeville Golf & Country Club having plans prepared by A. F. Gilbert, archt., 80 Maiden Lane, New York City, brick and stone, plain foundation. $150,000.

N. Y., Hamilton—Gymnasium—Colgate University having plans prepared by F. B. and A. Ware, archts. and engrs., 1170 Bway., New York City, brick, steel and stone, plain foundation, College St. $150,000.

N. Y., Lowville—High and Grade School —Union Free School Dist. 2, plans 2 story and basement, brick and stone. $500,000 voted. Address S. B. Richardson, chn. building com. A. F. Gilbert, 80 Maiden Lane, New York City, archt.

N. Y., Mt. Pleasant—Nurses Home and Dormitory—Grassland Hospital soon takes bids brick, steel and stone, plain foundation. Walker & Gillette, 128 East 37th St., New York City, archts. and engrs.

N. Y., New York—Apartment—F. Sidemand, c/o Margon & Glaser, archts. and

Buildings (Continued)

engrs., 2804 3rd Ave., having plans prepared 5 story, brick, steel and stone, plain foundation, Haven Ave. and 171st St. $200,000.

N. Y., New York — Bank and Office — Harriman Natl. Bank, 5th Ave. and 44th St., soon takes bids brick, steel and stone, plain foundation, 531 5th Ave. $3,000,000. J. R. Pope, 527 5th Ave., archt. Steel contract awarded to Weiskopf & Ticksworth, 11 East 42nd St. Noted Jan. 24.

N. Y., Oswego — Schools — Bd. Educ. plans 2 schools. $500,000. F. Leighton, supt. schools and chn. building com.

N. Y., Saranac Lake—Hotel—Saranac Lake Business Mens Assn. had plans prepared by Amer. Hotels Corp., 25 West 45th St., New York City, and J. G. White Eng. Corp., 43 Exch. Pl., New York City, new 125 room hotel. $450,000-$500,000. Address W. Lagendorf, Saranac Lake, or F. H. Anderson, c/o J. G. White Eng. Corp., 43 Exch. Pl., New York City.

N. Y., Schenectady—Chapel—Union College had plans prepared by McKim, Mead & White, archts. and engrs., 101 Park Ave., New York City, memorial chapel, on campus. $200,000.

N. Y., St. George—Hotel—General Organization Co. of Chicago, c/o D. Hodson Lewis, chn. building com., 67 Bay St., having plans prepared by Delano & Aldrich, 126 East 38th St., New York, 7 story, brick, steel and stone, plain foundation. $850,000.

N. Y., Watertown—Court House—Jefferson Co. plans 2 story addition. $150,000-$200,000. P. F. Porter, superv.

N. Y., White Plains—School—Bd. Educ. having plans prepared by A. F. Gilbert, 80 Maiden Lane, New York City, brick, steel and stone, plain foundation. $300,000.

N. J., Camden—Hotel—Community Hotel Corp., W. Kennedy, secy., 533 Market St., plans hotel. $1,250,000 raised for project. Engineer and architect not selected.

N. J., Irvington (branch of Newark)—Exchange—New York Telephone Co., 15 Dey St., New York City, plans rein.-con., brick, steel and stone, plain foundation, Clinton Ave., here. $750,000. McKenzie, Voorhies & Gmelin, 342 Madison Ave., New York City, archts. and engrs.

Pa., Elizabethtown—Home for Boys—Masonic Home Assn. had plans prepared by E. A. Wightman, Heed Bldg., Phila., and takes bids about Mar. 19, John Smith Home for Boys, here, 3½ story and basement, 65 x 110 ft. rein.-con., steel and tile. $250,000.

Pa., Mt. Carmel—School and Convent—Our Mother of Consolation Church having plans prepared by P. A. Monaghan, 1713 Sansom St., Phila., 2½ story and basement, 62 x 150 ft. brick and stone, plain foundation. $150,000.

Pa., Phila.—Apartment—K. K. Otto, archt., 1828 Arch St., will revise plans 4 story and basement, 41 x 100 ft. brick and steel, plain foundation, 19th and Green Sts. $175,000. Former bids rejected. Owners name withheld. Noted Feb. 7.

Pa., Phila.—Church and School—St. Huber Roman Catholic Church having plans prepared by P. F. Getz, 1634 North 6th St., 2 story and basement, 67 x 120 ft. stone, plain foundation, Cottman St. and Towesdale Ave. $150,000.

Pa., Phila.—Church and Sunday School—Methodist Episcopal Church, Oak Lane, having plans prepared by W. L. Blithe, 608 Chestnut St., 2 story and basement, 115 x 150 ft. stone, plain foundation, 12th St. and City Line. $350,000.

Pa., Phila.—Hospital—Samaritan Hospital, Broad and Ontario Sts., having revised plans prepared by A. W. Barnes, Perry Bldg., and takes bids in few weeks, 7 story and basement, Broad and Ontario Sts.

Pa., Phila.—Hotel—C. S. Adams, archt., 2038 Spruce St., soon lets contract 12 story and basement, 55 x 88 ft. brick, steel and limestone, plain foundation, 13th and Spruce Sts., for Fried & Fishman, 262 South 17th St. $500,000.

Pa., Phila.—Office—Liberty Title & Trust Co., Broad and Arch Sts., having preliminary plans prepared by Dennison & Hirons, 288 Lexington Ave., New York City, 18 story, brick, steel and stone, plain foundation, Broad and Arch Sts. $1,250,000.

Pa., Pittsburgh—High School—Bd. Educ., Fulton Bldg., having plans prepared by R. M. Trimble, Ferguson Bldg., for Squirrel Hill High School, 2 or 3 story and basement, Shady Ave. $900,000.

Pa., Williamsport — High School — Bd. Educ. plans 4 story and basement, on 400 x 810 ft. plot on Rural Ave. E. I. Taylor, pres.

Md., Baltimore — Administration — Johns Hopkins University, Charles St., having plans prepared by John Russell Pope, 15 West 46th St., New York City, 4 story, brick, plain foundation, Charles St. $500,000.

Md., Baltimore—Apartment—S. Olivier, Standard Oil Bldg., having plans prepared by Parker, Thomas & Rice, Union Trust Bldg., 3 story, 50 x 150 ft., concrete and brick, plain foundation, Charles St. and Homeland Ave. $150,000.

N. C., Greensboro—Hotel—J. T. Morehead plans 12 story and basement. Green and Sycamore Sts. $650,000.

Ga., Albany—Hotel and Store—Chamber of Commerce, G. E. Reynolds, pres., representing stock company which plans Thronateeska Hotel, 7 story, to contain 110 rooms, Pine St. $300,000.

Fla., Clearwater — Apartment — T. H. Kingston, Somerville, Mass., having plans prepared 3 story, 144 x 166 ft., rein.-con., Osceola and Drew Sts. $200,000. Private plans.

Fla., West Palm Beach—Apartment—Alhambra Investment Co. having plans prepared by Harvey & Clark, West Palm Beach, 3 story, to contain 88 apartments, Olive St. and 2nd Ave. $250,000.

Ala., Birmingham—Schools, Library, Fire Stations and Auditorium — City Comm. plans to vote on $3,100,000 bonds: schools $2,000,000, library $750,000, fire stations and equipment $150,000, completing auditorium $200,000.

Miss., Laurel — Church — Presbyterian congregation plans church. $200,000. Engineer and architect not selected.

Ky., Bowling Green — Hospital — City plans 3 story, 8th St. and Park Ave. $150,000.

O., Cleveland—Apartment—S. Passov & D. Miller, 1054 Linn Dr., plan 3 story and basement, brick, on 120 x 240 ft. lot, North Moreland Blvd. $400,000. Engineer and architect not selected.

O., Cleveland—Store, Apartment and Garage—J. Babin, 307 Williamson Bldg., having plans prepared by N. Petti, 307 Williamson Bldg., 4 story and basement 210 x 220 ft., brick, steel and concrete, Euclid Ave. and Mayfield Rd. $900,000.

O., Dayton—Hotel—Miami Hotel Co., 2nd and Ludlow Sts., had plans prepared by Schenk & Williams, Mutual Home Bldg., and soon takes bids 11 story and basement, 41½ x 100 ft., rein.-con., brick and terra cotta addition, plain foundation, Ludlow St. $400,000.

O., Dayton — School — Corpus Christi Parish, Forest Ave., plans 3 story, brick and concrete. $150,000. J. W. Fogarty, pastor. Engineer and architect not selected.

O., Dayton—Temple—Masonic Temple Co., 134 South Main St., having plans prepared by Herman & Brown, 1129 Reibold Bldg., 3 story and basement, 160 x 255 ft., rein.-con., brick and limestone, plain foundation, Riverview St. $2,000,000. Noted April 26.

O., Lakewood — Apartment—L. Arnoff, 11118 Clifton Blvd., Cleveland, plans 3 or 4 story, brick, off Detroit Ave., here, $1,000,000. G. Rudolph, Hunkin-Conkey Bldg., Cleveland, archt.

O., Lakewood — Warehouse — Lakewood Fireproof Storage Co., 14401 Detroit Ave., plans 6 story and basement, brick and rein.-con., Detroit Ave. $250,000. J. J. Gund, pres. Engineer's and architect's names withheld.

O., Loudonville—High School—Bd. Educ. plans 2 story and basement, brick. $165,000. Vernon Redding and associates, Bird Bldg., Mansfield, archts.

O., Silverton (mail Pleasant Ridge branch Cincinnati P. O.) — Home — St. Theresa Home for Aged, 2021 Auburn Ave., Cincinnati, having plans prepared by Crowe & Schulte, 914 Main St., 2 story, 150 x 280 ft., brick, plain foundation, here. $250,000.

O., Zanesville—Warehouse—Mosaic Tile Co. having plans prepared by Lockwood, Greene & Co., engrs., Hanna Bldg., Cleveland, 3 story and basement, 80 x 140 ft., rein.-con.

Ind., Indianapolis — High School — Bd. School Trustees, 150 North Meridian St., having plans prepared by A. Scherrer, Indiana Trust Bldg., 3 story and basement, brick. $400,000. R. O. Johnson, business mgr.

Mich., Saginaw—Bank and Office—Second Natl. Bank having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, 10 story and basement, rein.-con., brick and steel, plain foundation, $350,000.

Ill., Chicago—Apartment—J. H. Larson, c/o J. Hocke, archt., 7602 Chappel Ave., plans 3 story, 60 x 154 ft., fireproof, Coles and 73rd Sts. $150,000.

Ill., Evanston — Apartment — Scherman Constr. Co., 84 East Jackson St., plans 3 story and basement, fireproof, Oakton and Ridge Sts. $500,000. S. Minchin, 19 West Jackson St., archt.

Ill., Joliet—Church—First Presbyterian Congregation, c/o W. E. Tomlinson, 717 Reggie Bldg., soon takes bids 2 story and basement, 132 x 146 ft., rein.-con., brick and stone church, Sunday school, etc., Raymond and Western Aves. $150,000. Private plans.

Wis., Kenosha — High School — Evangelical Lutheran Friedens Congregation, C. Buegner, 65 Ridge St., pastor, having revised plans prepared by H. Bothe, 65 Ridge St., 2 story and basement, 88 x 160 ft., brick, tile and concrete, plain foundation, Middle St. $150,000.

Wis., Milwaukee—Apartment—Prospect Ave. Realty & Investment Co., c/o H. V. Miller, archt., 646 24th St., making plans 3 story and basement, 100 x 120 ft., brick and tile, plain foundation, Farwell Ave. $150,000.

Wis., Racine—Hotel and Store—E. B. Funston Co., archts., Janes Bldg., prepared plans and soon takes bids 6 story and basement, 82 x 100 ft., brick and concrete, plain foundation, Main St., for Friedman Hotel Corp., 505 Main St. $650,000. Noted Dec. 6.

Wis., Racine—School—School Bd., A. H. Schafer, secy., having preliminary plans prepared by J. M. Matson, Main St., 2 story and basement, brick and tile, plain foundation, Superior St. $150,000.

Wis., Sheboygan—Garage—E. A. Juul, archt., Security Bldg., preparing plans 4 story, 100 x 140 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation. $150,000. Owners name withheld.

Ia., Burlington — Hospital — Hospital Assn., J. J. Seerley, pres., having plans prepared by G. H. Washburn, 51 Parsons Blk., Burlington, and W. F. Weibley, Tama Bldg., 4 story, basement and sub-basement, rein.-con., brick, tile and stone addition. $150,000.

Minn., Minneapolis—School—Bd. Educ., City Hall, plans 2 story and basement, rein.-con., brick and tile, 42nd St. and Sheriden Ave. S. $150,000. G. F. Womrath, business supt. Bureau of Buildings, Bd. Educ., archt.

Kan., Ft. Scott—Temple—Jesbert Lodge of Perfection, A. S. S. R., Main and 1st Sts., making preliminary plans 3 story and basement, brick and stone. $150,000. Private plans.

Kan., St. Marys—College—St. Marys College, c/o B. J. Rodman, having preliminary plans prepared 2 story and basement, rein.-con., brick and stone, plain foundation, Campus. $200,000. Private plans.

Mo., Clayton—Academy and Convent—Sister of St. Joseph, Kansas and Minnesota Aves., St. Louis, having revised plans prepared by A. B. Grove, Stock Exch. Bldg., St. Louis, and takes new bids 2 and 3 story and basement, rein.-con., brick and stone. $700,000. Noted Jan. 17.

Mo., St. Louis — Apartment — E. M. Worthington, 535 Blet Ave., having preliminary plans prepared 8 story and basement, 130 x 213 ft., rein.-con., brick and stone, Lindell Blvd. $750,000. Private plans.

Mo., University (St. Louis P. O.)—Apartment—M. Finkelstein having preliminary plans prepared 4 story and basement, 100 x 195 ft., rein.-con., brick and stone, Syracuse St. $200,000. Private plans.

Mo., University (St. Louis P. O.)—Store and Apartment—J. C. Janopoulo, 726 Kingsland Ave., St. Louis, having preliminary plans prepared 3 story and basement, 100 x 100 ft., rein.-con., brick and stone, Delmar and Kingsland Aves., here. $160,000. Private plans.

Ark., El Dorado—Church—First Presbyterian Church, c/o J. K. Mahoney, chn., having preliminary plans prepared by R. H. Hunt, James Bldg., Chattanooga, Tenn., 2 story, brick and stone, church and Sunday school. $200,000.

Ark., El Dorado—High School—City having plans prepared by Thompson & Harding, Southern Trust Bldg., Little Rock, 3 story, rein.-con. and brick. $300,000.

Ark., Hot Springs—Office—Rector Trust Estate, c/o J. A. Rector, Federal Reserve Bldg., St. Louis, Mo., having preliminary plans prepared 4 story, 100 x 160 ft. rein.-con., brick and stone, Central Ave., here. $250,000. Private plans.

Ark., Little Rock—Medical—Medical Arts Building plans building on site to be selected. $300,000. W. E. Gray, Donaghey Bldg., secy.

Buildings (Continued)

Ark., Little Rock—Museum—City making preliminary plans 2 story and basement, rein.-con., brick and stone, City Park. $250,000.

Tex., Houston—Office—J. M. West, 2nd Natl. Bank Bldg., having plans prepared by J. Finger, Keystone Bldg., brick and concrete, additions, Main and Walker Sts. $200,000.

Tex., San Antonio — Apartment — S. L. Jeffers, 1 Bushnell Pl., having plans prepared by H. T. Phelps, Hicks Bldg., 10 story, 80 x 110 ft., rein.-con., brick and stone, plain foundation, Ave. E and 3rd St. $425,000.

Tex., San Antonio—Church—First Baptist Church, 126 4th St., had plans prepared by W. N. Noonan, archt., 240 Moore Bldg., and W. E. Simpson Co., engrs., Natl. Bank Commerce Bldg., 2 story, 140 x 200 ft., brick, stone and rein.-con., plain foundation. $150,000. Noted Jan. 31.

Tex., San Antonio—Garage and Theatre—S. L. Jeffers, 1 Bushnell Pl., having plans prepared by H. T. Phelps, Hicks Bldg., 4 story, 65 x 212 ft., rein.-con. and brick garage, plain foundation, $150,000 and 150 x 190 ft., rein.-con. and brick or tile and stucco, theatre, plain foundation, $300,000; both at Ave. E and 3rd St.

Okla., Ardmore—City Hall and Police Station—City having plans prepared by W. G. Doak, Ardmore, 2 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, 2nd St. $150,000.

Okla., Collinsville — High School and Gymnasium—Bd. Educ. having surveys made 3 story, 80 x 150 ft., brick, plain foundation. $200,000. Architect not selected.

Okla., Muskogee — Hospital — Methodist Church, c/o J. Hawkins, pastor, having plans prepared by M. Jayne, Muskogee, 3 story, 80 x 150 ft., rein.-con. and brick, plain foundation, south of city. $250,000.

Okla., Okmulgee—Church, School, etc.—St. Anthonys Church, c/o G. Forbes, trustee, having preliminary plans prepared 1 and 2 story, brick and stone. $250,000. Private plans.

Okla., Pauls Valley—Warehouse—H. D. Nicholson preparing plans 1 story, 140 x 275 ft., rein.-con., brick and steel, plain foundation, Chickasaw St $160,000. Engineer and architect not selected.

Okla., Tulsa—School—Bd. Educ. voted $2,000,000 bonds for 4 new high schools. Engineer and architect not selected. Noted Feb. 7.

Okla., Tulsa—Schools—Election Mar. 26, $2,000,000 bonds, 2 new high schools and additions to 2 schools. Noted Feb. 7.

Colo., Denver — Church — First Baptist Church, 18th and Stout Sts., plans church, 14th and Grant Sts. $350,000. Engineer and architect not selected.

Wash., Seattle—Chamber of Commerce—Chamber of Commerce plans building, 2nd and Columbia Sts. $200,000-$250,000. Schack, Young & Myers, Central Bldg., Seattle, archts.

California—Memorial—Contra Costa Co. (Martinez), having working plans prepared by J. T. Narbett, 910 Macdonald Ave., Richmond, four 1 and 2 story, hollow tile, at Martinez, Danville, Richmond and Walnut Creek. To exceed $150,000.

Calif., Gardena—Bank and Office—First Natl. Bank having plans prepared by R. D. King, Van Nuys Bldg., Los Angeles, and F. Goodwin, Compton, associate, 2 story and basement, 50 x 100 ft., brick.

Calif., Hollywood—Club—Studio Club, Carlos Ave., having plans prepared by J. Morgan, Merchants Exch. Bldg., San Francisco, 125 x 225 ft., fireproof, Lexington St. and Lodi Ave. $150,000.

Calif., Inglewood — School — Inglewood Union High School Dist. plans to vote on $200,000 bonds for 20 room school and gymnasium.

Ont., Kingston—School—Bd. Educ. plans 2 story and basement, 8 room, rein.-con., brick and steel, plain foundation. $150,000. Engineer and architect not selected.

Calif., Long Beach—Schools—Bd. Educ. having plans prepared by H. L. Gogerty, 239 East Bway., Long Beach, and Noernberg & Johnson, Ry. Bldg., Los Angeles, 18 classroom addition, probably brick, $200,000; by F. H. Gentry, engr., Marine Bank Bldg., and P. O. Wright, archt., Marine Bank Bldg., 10 room fireproof unit Burnett School, $150,000. Noted Feb. 7.

Calif., Long Beach—Warehouse—Southern California Edison Co., 306 West 3rd St., plans fireproof, Hill St. and Perris Rd. To exceed $150,000.

Calif., Los Angeles — Apartment — M. Cohen, Mercantile Arcade Bldg., is head of company organized to finance construction 11 story, Class A, Wilshire Blvd. and Rampart St. $1,000,000.

Calif., Los Angeles — Apartment and Store—M. Kirsch, et al., 5516½ Lexington Ave., having preliminary plans prepared by C. W. Kreis & Son, 1410 Sunset Blvd., 3 story and basement, 120 x 125 ft., frame and plaster, Sutherland St. and Sunset Blvd. $150,000.

Calif., Los Angeles — Church — Second Baptist Church having plans prepared by N. F. Marsh, Bway. Central Bldg., and P. Williams, Stock Exch. Bldg., 2 story and basement, 125 x 130 ft., brick, 24th St. and Griffith Ave. $150,000.

Calif., Los Angeles—Hall—Bd. Supervs. Los Angeles Co. will have revised plans prepared and soon receive new bids for general contract, Hall of Justice. Noted Feb. 21.

Calif., Los Angeles — Hotel — Eastern Realty Co., c/o H. Genser, archt., Hibernian Bldg., having plans prepared 4 story, 100 x 150 ft., fireproof, Union Ave. To exceed $150,000.

Calif., Los Angeles—Hotel—J. Rittigstein, 500 South Bway., having preliminary plans prepared by Charlton & Charlton, 111 East Bway., Glendale, fireproof, Boylston St. $200,000.

Calif., Los Angeles—Lodge—Knights of Pythias, Belvedere Lodge 326, had plans prepared by W. H. Ruggles, 2684 North Workman St., 2 story and basement, 50 x 150 ft., brick, Townsend St.

Calif., Los Angeles—Police Stations—City plans to vote on $3,000,000 bonds for central police station and ten district stations.

Calif., Los Angeles—Store and Office—G. Edwards, et al., having plans prepared by Walker & Eisen, Pacific Finance Bldg., 13 story and basement, 100 x 100 ft., rein.-con. and brick, 6th St. and Grand Ave.

Calif., Los Angeles—Temple—Los Angeles Co. will have new plans prepared for granite work for Temple of Justice. New bids will be asked. Former bids rejected. Noted Feb. 21.

Calif., Los Angeles—Warehouse—Barker Bros., 724 South Bway., plans 6 story (ultimately 10 story) and basement, 140 x 160 ft., rein.-con., Palmetto and Hewitt Sts. From $300,000 to $400,000.

Calif., Oakland — Warehouse — W. C. Lowe, archt., Monadnock Bldg., San Francisco, preparing plans 4 story, 80 x 200 ft., rein.-con., flat slab construction, Brush and 1st Sts. From $150,000 to $175,000. Owners name withheld.

Ont., Ottawa — Hospital — Bd. Control takes bids in early spring new building for male patients at Lady Grey Hospital, Carling Ave. $250,000. Architect not selected.

Calif., Pasadena—Apartment—Littleton Co., archts., 608 East Colorado St., preparing plans 6 story and basement, fireproof, East St. $150,000. Owners name withheld.

Calif., Pasadena—Hotel—S. H. Brown, archt., Union League Bldg., Los Angeles, preparing plans 4 story and basement, brick, to contain 120 rooms, Marengo Ave., here. $150,000. Owner's name withheld.

Calif., Pasadena—Theatre, Office and Store—Bard, Fellows, Bershon, Inc., c/o L. Smith, archts., Lily-Fletcher Bldg., Los Angeles, having plans prepared fireproof, to contain 9 stores, 15 offices, theatre, seating capacity 3,000, Catalina and Colorado Sts. To exceed $350,000.

Calif., Pomona—Manual Training, etc.—Pomona High School Dist. having working drawings prepared by W. H. Weeks, 369 Pine St., San Francisco, and R. H. Orr, Corporation Bldg., Los Angeles, 2 story, brick, gymnasium, manual arts, bleachers, etc. $150,000. Noted Nov. 8.

Calif., Sacramento—Church—Pioneer Memorial Church, formerly First Congregational Church, had preliminary plans prepared by Hemmings & Stark, Ochsner Bldg., 1 story, brick and terra cotta, 27th and L Sts. $150,000.

Calif., Sacramento—Store and Office—W. S. and H. H. Hart, c/o F. A. Foale, archt., Ochsner Bldg., Los Angeles, having plans prepared 3 story (ultimately 12 story) and basement, Class A, brick, steel and terra cotta, K St., here. Noted Sept. 13.

Calif., San Diego — Apartment — N. W. Mohr, archt., 310 California St., San Francisco, preparing plans 8 story and basement, rein.-con., here. $500,000. Owners name withheld.

Calif., San Francisco—Apartment—N. W. Mohr, archt., 310 California St., preparing preliminary plans 3 story and basement, frame and stucco, to contain 225 rooms, Western Addition. $150,000. Owners name withheld.

Calif., San Francisco—Garage—L. R. Lurie, 315 Montgomery St., plans 10 to 12 story and basement, on 155 x 300 ft. site, class A, probably rein.-con., 4th St., Jessie to Stevenson Sts. $1,500,000. Preliminary plans prepared by O'Brien Bros., Inc., 315 Montgomery St.

Calif., San Francisco — Garage — N. W. Mohr, archt., 310 California St., preparing plans 3 story, rein.-con., vicinity Southern Pacific depot. $150,000. Owner's name withheld.

Calif., San Francisco—Garage—T. P. Ross, archt., 310 California St., preparing preliminary plans 2 or 3 story, rein.-con., 150 car capacity, Bush St. Owner's name withheld.

Calif., San Francisco—Schools—City and San Francisco Co. voted $12,000,000 bonds for schools. J. Reid, Jr., 1st Natl. Bank Bldg., city archt.

Calif., San Francisco—Warehouse—California Prune & Apricot Growers Assn., Market and San Antonio Sts., San Jose, plans fireproof, here. $150,000. A. W. Mortensen, genl. mgr.

Calif., San Francisco—Warehouse—Dalziel Estate, 550 Mission St., having plans prepared by W. C. Lowe, Monadnock Bldg., 4 or 5 story and basement, rein.-con., flat slab construction, Jessie St. $150,000.

Calif., San Francisco—Warehouses—San Francisco Terminals, Inc., 240 Battery St., having working drawings prepared by F. J. Amweg, 251 Kearny St., three 3 story, rein.-con. with concrete piling, to contain 1,000,000 sq.ft. of floor space, Mission Rock. $3,000,000 or more. H. S. Scott, pres.

Calif., Santa Barbara — Hotel — A. C. Blumenthal, et al., Loew State Bldg., Los Angeles, having preliminary plans prepared by J. F. Walker, Santa Barbara, 6 story, fireproof. To exceed $150,000.

Calif., Turlock — Home — Swedish Old Peoples Home, c/o G. N. Hilburn, archt., Turlock, soon takes bids first unit, brick or rein.-con., Lander Ave. Total cost $200,000.

Calif., Venice—Auditorium—City plans to vote on $200,000 bonds for rein.-con. auditorium. Noted Dec. 6.

Ont., Toronto—Office—London Life Insurance Co., 72 Queen St. W., plans 7 story and basement, concrete or structural steel frame construction, plain foundation, Bloor St. W., $500,000. Engineer and architect not selected.

BIDS DESIRED

Mass., Orange—High School—Mar. 19, by Bd. Educ., brick, steel and stone, plain foundation, Pleasant St. $150,000. Tooker & Marsh, 101 Park Ave., New York City, archts. Noted Nov. 1.

N. Y., Brooklyn—Mar. 11, by W. H. Gompert, archt. and supt. School Buildings, Flatbush Ave. extension and Concord Sts., addition to P. S. 97, easterly side of Stillwell Ave. between Aves. S and R, for Bd. Educ., 500 Park Ave., New York City.

N. Y., Buffalo—School—Mar. 26, by Bd. Educ., 1400 Telephone Bldg., P. S. 71, 2 story and basement, 190 x 215 ft., rein.-con. and brick, Lang Ave. $500,000. Associated Buffalo Architects, 232 Delaware Ave., archts. Noted Jan. 24.

N. Y., Troy—Public—Mar. 21, by Bd. Contr. & Supply, City Hall, 3 story and basement, brick and steel, plain foundation, State St. $450 000.

N. J., Atlantic City—Hotel—Mar. 15, by W. Smedley, archt., St. Girard Bldg., Phila., 9 story and basement, 57 x 185 ft., and 6 story and basement, 53 x 143 ft., brick and steel, wood pile foundation, here, for Hotel Dennis, Michigan Ave. and Beach.

N. J., Montclair—School—Mar. 18, by Bd. Educ., constructing Rand School, brick, steel and stone, plain foundation, Chestnut St. $300,000. Starrett & Van Vleck, 8 West 40th St., New York City, archts. and engrs.

Pa., Camp Hill—Clubhouse—Mar. 7, by Seeburger & Rabenold, archts., 1524 Chestnut St., Phila., 2½ story and basement, 60 x 130 ft. stone, plain foundation, here, for Manufacturers Club, Broad and Walnut Sts., Phila. $150,000. Noted Jan. 24.

Pa., Olney Sta. (Phila. P. O.)—Mar. 8, by Richer & Eiler, archts., Reading, 1 story and basement, 65 x 118 ft. stone and steel, plain foundation, Fishers Lane and 1st St., for Zion Lutheran Church, 117 East Tabor Rd. $200,000.

Pa., Phila.—Apartment—Mar. 10, by L. Rothschild, archt., 215 South Broad St., 21 story and basement, 52 x 135 ft. brick and steel, plain foundation, 19th and Walnut Sts., for Heyman & Bros., Heyman Bldg. $1,000,000.

Pa., Phila.—Warehouse, Show Room, etc. Mar. 7, by McCormick & French, archts., Wilkes-Barre, 4 story and basement, 56 x 97 ft. brick and steel, plain foundation, for Haines, Jones & Cadbury Co., 1136 Ridge Ave. $150,000.

Pa., Pittsburgh—Warehouse—Kaufman & Baer Co., 6th and Smithfield Sts., taking bids 6 story and basement, 120 x 364 ft., rein.-con., brick and steel. $500,000. J. Piper and H. Kropf, Oliver Bldg., archts.

Pa., Stony Creek Mills—High School—Mar. 25, by Lower Alsace Twp. School Bd.

Buildings (Continued)

3 story and basement, 183 x 216 ft. brick and steel, plain foundation, $600,000. E. Z. Schull, 136 Robeson St., Reading, archt.

Md., Baltimore—High School—Mar. 19, by Bd. Awards, 3 story and basement, concrete and brick, plain foundation, Gwynns Falls Park, for Public Impvt. Com., $1,250,000. Smith & May, Calvert Bldg., archts.

La., New Orleans—School—Mar. 14, by Orleans Parish School Bd., 3 story, 71 ft. high, 189 x 244 ft. rein.-con. and steel, Carrolton Ave., Belfast, Apricot and Short Sts. $250,000. A. E. Christy, City Hall Annex, archt.

La., Shreveport — Hospital — Tri-State Sanitarium, c/o T. E. Williams, doctor, taking bids 3 story, 66 x 80 ft. and 35 x 60 ft., rein.-con., brick and tile. $160,000. J. O. Mitchell, Shreveport, archt.

Ky., Louisville—Garage and Sales Room —Mar. 17, by Summers-Herman, Inc., 905-11 South 3rd St., 3 story, 90 x 100 ft., brick, 3rd and Breckenridge Sts. $150,000. D. X. Murphy & Bros., Louisville Trust Bldg., archts. Noted June 7.

Ky., Louisville—Office—Mar. 15, by Commonwealth Life Insurance Co., 106-110 South 15th St., 6 story, 60 x 120 ft., brick, 5th St. $250,000. D. X. Murphy & Bro., Louisville Trust Bldg., archts. Noted Nov. 22.

O., Cleveland—Apartment—B. Bialosky, 2388 Ontario St., taking bids 3 story, 52 x 110 ft., brick, 2052 Cornell Rd. $175,000. M. Weis, 617 Union Bldg., archt.

O., Cleveland Heights (Warrensville P. O.)—Commercial and Garage — C. A. Matheny, archt., 1969 East 70th St., Cleveland, taking bids and opens same about Mar. 12, 2 story and basement, 80 x 140 ft., brick and metal lumber, Mayfield and Superior Rds., here, for Louise Stone Estate, 501 Rockefeller Bldg., Cleveland. $150,000.

O., Findlay—High Schools—Mar. 14, by Bd. Educ., constructing North and South Junior High Schools, 2 story and basement, rein.-con. and brick. $200,000 each. T. McLaughlin, Savings Bldg., Lima, archt. Noted Jan. 31.

O., Massillon—Mar. 12, by Directors Y. M. C. A., 4 story and basement, brick and steel, East Tremont St. $350,000. Noted Jan. 31.

O., Newark—School—Mar. 18, by Building Com. of Church of St. Francis De Sales, K. C. Bldg., 3 story and basement, brick and rein.-con. $200,000. J. McCarthy, chn. Noted Dec. 6.

Ind., Hammond—Hospital—Mar. 12 (extended date), by D. X. Murphy & Bro., archts., Louisville Trust Bldg., Louisville, Ky., 4 story, 46 x 288 ft., here, for Franciscan Sisters of the Poor, Hammond. $300,000. Noted Dec. 27.

Ind., Michigan City—Hospital—Mar. 12, by D. X. Murphy & Bro., archts., Louisville Trust Bldg., Louisville, Ky., 3 story and basement addition to St. Anthonys Hospital, here. $150,000.

Mich., Detroit—Temple—B. C. Wetzel & Co., archts., 2317 Dime Bank Bldg., taking bids and opens same about Mar. 10, 4 story and basement 70 x 112 ft. rein.-con., brick and steel, plain foundation, Gratiot Ave., for Amaranth Lodge, 3106 Gratiot Ave. $150,000.

Mich., Grosse Pointe Park (mail Grosse Pointe branch Detroit P. O.)—School—Mar. 12, by C. A. Paye, secy. Bd. Educ., 2 story and basement, 65 x 164 ft. rein.-con., brick and steel, plain foundation, Kercheval Ave. $200,000. G. J. Haas, 1101 Kresge Bldg., Detroit, archt.

Ill., Chicago—Apartment—Loewenberg & Loewenberg, archts., 111 West Monroe St., taking bids 3 story, 120 x 147 ft., fireproof, Ainslee and Ridgeway Sts. $175,000. Owners name withheld.

Ill., Chicago—Apartment—Ohrenstein & Hild, 222 East Ontario St., taking bids 3 story and basement, 124 x 180 ft., fireproof, 69th and Oglesby Sts., for A. C. Ketler, 3143 South California St. $200,000.

Ill., Wilmette—Apartment—R. F. France, archt., 155 North Clark St., Chicago, taking bids 3 story and basement, 110 x 196 ft., fireproof, 5t hand Linden Sts., here, for R. F. Davis, c/o architect. $350,000.

Wis., Burlington—High School—Mar. 19 (extended date) by School Bd., N. E. Karcher, clk., 2 story, 185 x 247 ft., brick, tile and concrete, plain foundation. $300,000. Oppenhamer & Obel, Nicollet Bldg., Green Bay, archts. Noted Feb. 28.

Wis., Kenosha—Bank and Office—Mar. 10, by Lindl, Lesser & Schutte, archts., 82 Wisconsin St., 4 story and basement, 47 x 87 ft., brick and stone, plain foundation, for Merchants & Savings Bank, 252 Main St. $200,000. Noted Dec. 27.

Wis., Milwaukee—Church—Mar. 10, (extended date) by Riesch & Hess, archts., 302 West Water St., 2 story, 130 x 136 ft., brick and concrete, plain foundation, 11th and Clarke Sts., for St. Boniface Congregation, H. Stemper, pastor, 1118 Clarke St. $250,000. Noted Feb. 21.

Wis., Milwaukee—Store and Loft—Mar. 10, by Hotel Wisconsin Realty Co., 172 30th St., 4 story and basement, 50 x 150 ft. Holabard & Roche, 104 South Michigan Ave., Chicago, archts.

Wis., Mineral Point—High School—Mar. 12, by School Bd., A. Tucker, pres., 2 story, 90 x 115 ft. and 38 x 40 ft., brick and tile, plain foundation. E. Tough, 409 Washington Bldg., Madison, engr. Noted Sept. 13.

Wis., Watertown—Hotel—Badger Hotel Co., c/o M. F. Blumenfeld, 10 Pickney St., Madison, taking bids 5 story and basement, 66 x 108 ft., brick, rein.-con. and steel, plain foundation, here. $150,000. Balch & Lippert, Gay Bldg., Madison, archts.

Wis., Wyocena — Asylum — Columbia County, (Portage), H. R. Tongero, clk., taking bids 2 story and basement, 44 x 161 ft., brick, rein.-con. and steel, here. $150,000. Claude & Starck, Badger Annex, Madison, archts.

Minn., Gilbert—School—Mar. 20, by Secretary Bd. Educ., 2 story and basement, 75 x 212 ft., rein.-con., brick and tile, $300,000. W. T. Bray, and W. G. Smith, Torrey Bldg., Duluth, archts. and engrs.

Mo., St. Louis — Seminary — Mar. 24 (extended date), by T. Graebner, secy. Building Comn., Concordia Seminary, 3618 Texas Ave., dormitories, academic, dining hall, library, assembly hall, lecture hall, infirmary, professors house and power plant, etc., rein.-con., limestone and local stone, plain foundations, $2,000,000. Day & Klauder, Franklin Bank Bldg., Phila., archts. H. H. Morrison, Fullerton Bldg., St. Louis, engr. Noted Feb. 14.

Colo., Pueblo—Temple—Mar. 28, by B. F. Scribner, chn. Building Com., Scottish Rite Shrine Building Assn., Box 749, 5 story and basement, 120 x 206 ft., brick, steel and terra cotta, 4th and Main Sts. $550,000. Roe Stickney & Gile, 740 Thatcher Bldg., archts.

Calif., Colma—High School—Mar. 18, by Trustees Jefferson Union High School Dist., 1 and 2 story, rein.-con., to contain 15 rooms and auditorium. $180,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted Jan. 17.

Calif., San Bernardino — High School — Apr. 1, by Bd. Educ., 2 story, 220 x 255 ft., rein.-con. $225,000. H. E. Jones, Katz Bldg., San Bernardino, archt.

BIDS RECEIVED

N. J., Irvington (branch of Newark)—High School—Bd. Educ., Feb. 20, brick, steel and stone, plain foundation, Clinton Ave., from T. M. Gibbs Constr. Co., Heyman Bldg., Phila., Pa., $804,990. Noted Jan. 24.

Pa., Phila.—Art Museum—Comrs. Fairmount Park, Room 217 City Hall, constructing certain portions of Phila. Museum of Art, in Fairmount Park, (a) Pink Georgia granite (b) White Bethel granite, (c) Minnesota granite, (d) Ohio sandstone, from F. W. Mark Constr. Co., Commercial Trust Bldg., (a) $2,049,000 (b) $2,415,000 (c) $2,129,000 (d) $1,859,000. Noted Feb. 14.

Md., Baltimore—Bath and Field House—Bd. Park Comrs., Gay and Lexington Sts., 1 story, 87 x 160 ft., brick, plain foundation, Druid Hill Park, from Price Constr. Co., Maryland Trust Bldg., $188,000.

Ia., Sioux City—Hospital—St. Josephs Mercy Hospital, 5 story and basement, rein.-con., tile, brick and stone addition, 21st and Court Sts., from B. E. Short, 418 Court St., $186,800. Noted Feb. 7.

CONTRACTS AWARDED

Me., Portland—Apartment—C. W. Whitehead, Noyes St., 3 story, 80 x 180 ft., brick, Noyes and Deering Aves., to F. A. Rummery, 21 Portland St., $250,000.

Mass., Brookline (Boston P. O.)—Apartment—Brookline Realty Associates, Inc., Alton Court, will build 3 story, brick and stone, plain foundation, Alton Pl., by day labor. $150,000. Private plans.

Mass., Chelsea (Boston, P. O.)—School—Bd. Educ., 3 story, 230 x 232 ft., brick, rein.-con., steel and stone, Tudor St., to Simpson Bros. Corp., 77 Summer St., Boston. Archts. est. $700,000.

Mass., Somerville (Branch of Boston)—Apartment—J. E. Locatelli Co., Inc., 46 Cornhill, Boston, will build 4 story, 110 x 140 ft., brick and timber, 155 Summer St., here, by day labor. $150,000. Noted Feb. 28.

Mass., Springfield—Express, Mail, etc.—Boston & Albany R.R., South Sta., Boston, 4 story, 60 x 330 ft., brick, stone and steel, plain foundation, Lyman St., here to Tredennick Constr. Co., 10 High St., Boston, $150,000.

Conn., Waterbury—Apartment—H. A. Pease, 182 Church St., Torrington, 6 story, brick, plain foundation. 1st Ave., here, to Torrington Building Co., 182 Church St., Torrington. $200,000.

N. Y., Brooklyn — Schools—Bd. Educ., 500 Park Ave., New York, P. S. 215, Ave. S, here, to Lustig & Weil, 103 Park Ave., New York, $785,300, deduct $20,000; P. S. 206, Ave. V, here, to Frymier & Hanna Co., 25 West 46th St., New York, $1,006,000, deduct $25,000. Noted Feb. 7.

N. Y., Harrison—School—Bd. Educ., brick, steel and stone, plain foundation, to Wennemer Constr. Co., 103 Park Ave., New York City, Archts. est. $300,000. Noted Feb. 14.

N. Y., Long Island City—School—Bd. Educ., 500 Park Ave., New York, P. S. 125, Nelson Ave., here, to Concord Constr. Co., 276 Seneca Ave., Brooklyn, $972,800, deduct $33,000. Noted Feb. 7.

N. Y., New York—Bath House—J. Miller, pres. Manhattan Boro, Municipal Bldg., general contract for bath house, 34 West 134th St., to Blumar Constr. Co., 25 West 43rd St., $324,200; plumbing, to D. Brandt, Inc., 467 East 155th St., $29,987; heating and ventilating, to Teran Lange, Inc., Grand Central Terminal, $26,875. Noted Feb. 14.

N. Y., New York — Garage — Lenmore Realty Corp., c/o J. M. Felson, archt. and engr., 1133 Bway., will build 2 story, brick, steel and stone, plain foundation, Bway., by day labor. $150,000.

N. J., Hightstown—High School—Bd. Educ. Feb. 18, general contract 2 story, brick and steel, to F. D. Priory, 11 West State St., Trenton, $198,000.

N. J., Newark—Apartment—M. Zeses, c/o R. Botelli, archt. and engr., 207 Market St., will build 5 story, brick, steel and stone, plain foundation, High St., by day labor. $200,000.

Pa., Clairton—High School—Bd. Educ., 2 story and basement, to C. D. Keyser Co., Bellaire, O. Archts. est. $400,000. Noted Jan. 10.

Pa., Grove City—Home—I. O. O. F., 2 story and basement addition to home for aged here, general contract to H. Wimer, Butler Co. Natl. Bank Bldg., Butler. Archts. est. $150,000.

Pa., Phila.—Bank—Heacock & Hokanson, archts., Bailey Bldg., 1 story and basement, 40 x 150 ft. rein.-con., steel and limestone, plain foundation, Ridge Ave. and Green Lane, to F. A. Haven, 845 North 19th St., for Roxborough Trust Co., Ridge Ave. and Green Lane. Archts. est. $250,000.

Pa., Phoenixville—Bank—A. D. Eaches, cashier Natl. Bank of Phoenixville, 1 story and basement, 50 x 88 ft. brick and steel, plain foundation, Bridge St., to Roberts & Roller, 1904 Sansom St., Phila. Noted Jan. 31.

Md., Baltimore—Church, etc.—St. Johns Concordia Evangelical Lutheran Church, c/o F. J. Heldrich, archt., 1156 Longwood St., 1 and 2 story, 71 x 175 ft., stone church, community building and parsonage, Reistertown Rd. and Elgin Ave., to T. Hicks & Son, 106 West Madison St., $150,000. Noted Feb. 21.

D. C., Wash.—Apartment—F. H. Smith & Co., 815 15th St., rein.-con. and limestone apartment house, Massachusetts Ave. and 21st St., to R. P. Whitty, Union Trust Bldg., 15th and H Sts., $1,000,000. Noted Jan. 31.

W. Va., Bluefield—Office—T. E. Perry, 8 story, 60 x 100 ft., rein.-con. and brick, Bland and Federal Sts., to D. S. Phipps, Roanoke, $235,000.

N. C., Davidson—College—Davidson College (1st unit) Chambers Hall, brick, recently destroyed by fire, to Blythe & Isenhour, Charlotte, $150,000. Noted Feb. 14.

O., Bellaire—High School—Bd. Educ., 2 story and basement, 85 x 250 ft., brick, stone and concrete, to C. D. Keyser, Bellaire, $350,000.

O., Canton—Mercantile—Stark Dry Goods Co., 2 story and basement, 74 x 200 ft., brick and steel, Tuscarawas St. E., to R. G. Witters Co., Cleveland Ave. N. W., $140,000.

O., Cleveland—Bank and Commercial—A. G. Hall, archt., 322 Euclid Ave., 2 story and basement, 80 x 120 ft., brick, steel and concrete, St. Clair and Blenheim Aves., to McCreary Co., Bangor Bldg., for Cleveland Trust Co., East 9th St. and Euclid Ave. Archts. est. $150,000.

O., Hamilton — School — Notre Dame Academy, 2nd St., 4 story, 50 x 95 ft. school with 46 x 75 ft. wing, rein.-con. and brick, plain foundation, to E. Honnert, 19 South Hamilton St., Mt. Healthy, $180,000. Noted Jan. 10.

Mich., Detroit—Garage and Sales—E. R. Cain, 2128 Penobscot Bldg., 4 story and basement, 92 x 145 ft., rein.-con., brick and stone, Cass Ave. and York St., to Everett Winters Co., 1024 Book Bldg., Olds Motor Car Co., 7 Sproat St., lessee.

Ill., Beardstown — High School — Bd. Educ., 2 story and basement, rein.-con., brick and stone, general contract to W. F. Wessell, Beardstown. Archts. est. $150,000. Noted Feb. 7.

Buildings (Continued)

Ill., Chicago—Bank and Office—Sheridan Trust and Savings Bank, 4738 Bway., 8 story, 105 x 147 ft., fireproof, Bway. and Lawrence St., to R. C. Wieboldt, 1534 West Van Buren St. Archts. est. $1,000,000. Noted Nov. 1.

Ill., Edwardsville—Bank and Office—Bank of Edwardsville, 5 story and basement, brick and rein.-con. addition, Public Sq., to St. Louis Bank Equipment and Fixture Co., 811 Walnut St., St. Louis, Mo. Archts. est., $150,000.

Wis., Appleton — High Schools — School Bd., two 2 story and basement, brick, tile and concrete, plain foundations, one to J. C. Nelson & Son, 5044 36th Ave. S., Minneapolis, Minn., other to Hoeppner-Bartlett Co., Eau Claire. Archts. total est. $400,000. Noted Jan. 31.

Wis., Chippewa Falls—School—St. Marys Congregation, J. M. McGuirk, pastor, 117 Allen St., 2 story and basement, 60 x 155 ft., brick, tile and stone, plain foundation, to Schafer & Olson, 222 Bay St. Noted Dec. 13.

Minn., Redwood Falls — School — Bd. Educ., general contract 2 story and basement, 147 x 150 ft., rein.-con., brick and tile, to E. A. Carlstron, Mankato, $127,000. Noted Feb. 14.

Minn., St. Paul — Nurses Home — St. Lukes Hospital, 402 Merchants Natl. Bank Bldg., 4 story and basement, 130 x 150 ft., rein.-con., brick and tile, Smith St. and Sherman Ave., general contract to G. J. Grant Constr. Co., 902 Exchange Bank Bldg. Cost complete $250,000. Noted Mar. 22.

Kan., Coffeyville — Hotel — Coffeyville Building & Improvement Co., 6 story and basement, 100 rooms, fireproof, to Manhatten Constr. Co., Agency Hill, Muskogee, Okla. Archts. est. $175,000. Noted Jan. 24.

Kan., Salina — Church — First Presbyterian Church, 2 story and basement, 75 x 178 ft., rein.-con., brick and stone, to Eberhardt Constr. Co., Salina. Archts. est. $175,000.

Mo., University (St. Louis)—Apartment—Westdel Realty Co., c/o Weisels-Gerhart Real Estate Co., 8th and Chestnut Sts., St. Louis, 3 story and basement, rein.-con., brick and stone, here, to V. Chinberg, 808 Chestnut St. Archts. est. $150,000.

Mo., Webster Groves—Church—Webster Groves Presbyterian Church 1 story and basement, 75 x 160 ft., rein.-con., brick and stone, Lockwood and Gore Aves., to Murch Bros. Constr. Co., Railway Exch. Bldg., St. Louis. Archts. est. $160,000. Noted Jan. 17.

Ark., Texarkana — Hotel — Texarkana Hotel Co. 8 story, 75 x 105 ft., rein.-con., steel, brick, stone and terra cotta, to Stewart & McGee, Kahn Bldg., Little Rock. Archts. est. $600,000.

Tex., Corsicana—Hotel—G. A. McGregor Kirby Bldg., 5 story and basement, 84 x 100 ft., brick, concrete and steel, 11th and 4th Sts., to Southern Constr. Co., Slaughter Bldg., Dallas, $300,000. Noted Jan. 17.

Tex., Dallas—Garage—Wofford & Lipsitz, Western Indem Bldg., general contract, 3 story, 210 x 287 ft., brick and steel, Pacific St., to Trinity Constr. Co., 1715 Live Oak St., $150,000.

Tex., Dallas—Office, etc.—Missouri, Kansas & Texas R.R., Katy Bldg., 8 story and basement, 100 x 200 ft., brick, concrete and steel, office and warehouse, to Bellows & McLay Constr. Co., Kirby Bldg., $500,000. Noted Feb. 7 under "Industrial Works."

Wash., Seattle—Apartment—Colonial Investment Co., Amer. Bank Bldg., 4 story, 120 x 120 ft. concrete and steel, Terry Ave. and Spring St., to H. Hudson, Amer. Bank Bldg. Archts. est. $400,000.

Calif., Los Angeles — Lodge Hall — Odd Fellows Building Assn. of Los Angeles, 3 story and basement, 105 x 175 ft., brick and steel, to Bradley Constr. Co., 1925 East 16th St., $375,000. Noted Dec. 6.

Calif., Los Angeles—Store and Hotel—J. W. MacDonald, Higgins Bldg., 4 story and basement, 80 x 110 ft., brick, Figueroa and 27th Sts., to Winter Constr. Co., Railway Bldg., $150,000.

Calif., Marysville—Auditorium—P. Rideout, 2 story, rein.-con. and steel, to I. C. Evans, 802 E St., $167,000.

Calif., San Francisco—Dance Hall, Office and Store—Trowbridge & Perkins, c/o E. E. Young, archts., 2002 California St., 4 story and basement, brick and concrete, Market and 9th Sts., concrete to Pioneer Concrete Co., 180 Jessie St., structural steel to Herrick Iron Wks., 18th and Campbell Sts., Oakland. Total cost $250,000. Noted Jan. 3.

Federal Government Work

PROPOSED WORK

N. Y., Brooklyn—Roads and Walks—Spec. 4953—Bureau Yards & Docks, Navy Dept., Wash., D. C. plans roads and walks at Naval Hospital here.

N. Y., New York—Ash Handling System—Spec. 4959—Bureau Yards & Docks, Navy Dept., Wash., D. C. plans pneumatic ash handling system here.

Pa., Pittsburgh — Lock — U. S. Engineer Office, plans to enlarge lock No. 5, Monongahela River, and extend concrete guide walls several hundred feet.

Va., Norfolk—Alterations—Spec. 4951—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans alterations to main building.

S. C., Charleston—Barracks, etc.—Spec. 4958—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans marine barracks, paving roads, etc., here.

Ala., Florence—Steel Gates—U. S. Engineer, Florence, plans to purchase 58 steel regulating gates, 18 x 38 ft., for Wilson Dam.

Ky., Louisville—Sewers, etc., Corps Area Quartermaster, Ft. Thomas, plans sewerage and water supply systems at Bowman Field, near here.

Ky., Louisville—Steel Hull Boats—U. S. Engineer, P. O. Box 72, takes bids about Apr. 1, two steel hull maneuver boats, one for Huntington Dist.

O., Cincinnati—Bank—U. S. Treas. Dept., Wash., D. C., having plans prepared by Walker & Weeks, 1900 Euclid Ave., Cleveland, 5 story and basement, 4th and Race Sts.

Wash., Destruction Island—Radio Sta.—Spec. 4954—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans radio compass sta. here.

Calif., Mare Island—Dike—Spec. 4960—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans reconstructing Dike 14.

Calif., Mare Island—Oil Wharf—Spec. 4956—Bureau Yards & Docks, Navy Dept., Wash., D. C. plans oil wharf here.

Calif., Point St. George—Radio Sta.—Spec. 4952—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans radio compass sta. here.

Calif., San Diego—Hospital—Spec. 4955—Bueau Yards & Docks, Navy Dept., Wash., D. C., plans hospital buildings, here.

BIDS DESIRED

N. Y., Fort Wright (Fishers Island P. O.)—Road Work—Mar. 25, by Constructing Quartermaster, concrete road concrete work, grading, etc.; adv. E. N.-R. Mar. 6.

N. Y., New York—Extension to Slip—Mar. 13, by Constructing Quartermaster Office, Room 510, 39 Whitehall St., New York, extending Governors Island ferry slip.

Pa., Phila.—Foundations—Spec. 4949—Mar. 19, by Bureau Yards & Docks, Navy Dept., Wash., D. C., permanent foundations for frame buildings at hospital here. Noted Feb. 21.

Va., Hampton Roads—Breakwater Pier—Spec. 4944—Mar. 19 by Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to north breakwater pier. Noted Feb. 21.

N. C., Ft. Bragg—Road Graders, etc.—Mar. 10, by Post Quartermaster, furnishing 2 road graders, with back slope attachment, 2 disc harrows, and four 3 way road drags.

Ga., Savannah—Dredging Pump—U. S. Engineer, Savannah, in market for one 12 in. dredging pump.

Ill., Rock Island—Steam Shovel—U. S. Engineer, Rock Island, in market for one steam shovel mounted on caterpillar, ¾ yd. size.

New Mexico—Roads—Apr. 2, by E. S. Wheeler, dist. engr., Bureau Pub. Rds., U. S. Dept. of Agriculture, 242 West Washington St., Phoenix, Ariz., constructing and improving Canoncito-Pecos National Forest Highway located in Santa Fe National Forest, Santa Fe and San Miguel Counties, incl. 28,110 cu.yd. two course crushed stone surface or 23,425 cu.yd. one course crushed stone surface with oil mat.

BIDS RECEIVED

Mass., Chelsea—Dredging—Dist. Engineer, Custom House, Boston, dredging at lighthouse depot, 37 Marginal St., here, from Bay State Dredging & Contg. Co., 62 Condor St., Boston, $0.75 per cu.yd. Noted Feb. 7.

Mass., Plymouth—Dredging—U. S. Engineer, Custom House, Boston, dredging in Plymouth Harbor, here, from Bay State Dredging & Contg. Co., 62 Condor St., Boston, Mass., dredgings to be deposited behind bulkhead $0.53 per cu.yd., dredgings to be dumped at sea $0.531 per cu.yd. Noted Jan. 31.

Ky., Addison—Soft Steel Roads, etc.—U. S. Engineer, P. O. Box 72, Louisville, furnishing 70 tons round soft steel rods and structural steel angles, from Knoxville Iron Co., Lonsdale Ave., Knoxville, Tenn., $2.81 per cwt. Noted Feb. 14.

Ky., Owensboro—Lumber—U. S. Engineer P. O. Box 72, Louisville, 7,920 pieces 2 x 12 in. yellow pine No. 2, common and better, in 16, 18, 20 and 24 ft. lengths, 349.92 ft., for Dam 46, here, from Marsh & Truman Lumber Co., 332 South Michigan Ave., Chicago, $35.45 per M. Noted Feb. 14.

CONTRACTS AWARDED

W. Va., Huntington — Operating Machinery—U. S. Engineer, Huntington, valve operating machinery for Dam 32, Ohio River, to J. and J. B. Milholland, Co., 714 5th Ave., Pittsburgh, Pa., $6,500.

Ga., Augusta—Hospital—Spec. 4922—F. T. Hines, dir. U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing new buildings at U. S. Veterans Hospital, here to Batson-Cook, West Point. $412,000. Noted Feb. 7 and 21.

Ala., Florence—Barges—U. S. Engineer, Florence, 8 steel barges, to American Bridge Co., Frick Bldg., Pittsburgh, Pa., $137,800. Noted Feb. 7.

Ala., Florence — Clearing Land — U. S. Engineer, clearing land along Tennessee River above Wilson Dam, 2,889 acres, to W. D. Winchell Co., Columbus, O., $216,750. Noted Jan. 3.

Ala., Florence—Crane—U. S. Engineer, Florence, furnishing and erecting one electric traveling crane for Wilson Dam, to Niles-Bement-Pond Co., 111 Bway., New York City, $33,450. Noted Jan. 24.

Ala., Florence—Reinforcing Steel—U. S. Engineer Office, Florence, furnishing 445,307 lb. reinforcing steel, to Corrugated Bar Co., Candler Bldg., Atlanta, Ga. Prices range from $2.46 to $3.76 per 100 lb.

Tenn., Memphis — Post Office — Treas. Dept., Wash., D. C., post office here, to A. Blair, 11 South Lawrence St., Montgomery, Ala., $99,839. Noted Feb. 21.

Ky., Addison—Hard Wood Piles—U. S. Engineer, P. O. Box 72, Louisville, furnishing 100 hard wood piles, 40 ft. long, Lot A, to L. J. Lyons, Addison, $6 each, 1,500 hard wood piles 25 ft. long, Lot B, to Withers Bros., West Point, $3.74 each.

Ky., Addison—Lumber—U. S. Engineer, P. O. Box 72, Louisville, furnishing 266,000 ft. No. 1, sound yellow pine also 269,000 ft. No. 1, common crib timbers, to Marsh & Truman Lumber Co., 332 South Michigan Ave., Chicago, $37.47 and $41.07 per M respectively.

Ky., Owensboro—Steel and Bolts—U. S. Engineer, P. O. Box 72, Louisville, 123 tons structural steel and bolts for Dam 46, Ohio River, to Lakeside Bridge & Steel Co., North Milwaukee, Wis., $13,870. Noted Feb. 21.

Ky., Owensboro—Steel Piling—U. S. Engineer, P. O. Box 72, Louisville, furnishing 1,219 tons steel sheet piling for Dam 46, Ohio River, to Carnegie Steel Co., Carnegie Bldg., Pittsburgh, $57 per ton. Noted Dec. 6.

Ky., Owensboro—Yellow Pine Lumber—U. S. Engineer, P. O. Box 72, Louisville, 2,000 pieces, 6 x 8 x 24 ft. No. 1 yellow pine, 192,000 ft., to Lord & Bushnell Co., 2424 South Laflin St., Chicago, $32.75 per M.

Wis., Milwaukee—Cement—U. S. Engineer, Milwaukee, furnishing 6,000 bbl. portland cement to Western Lime & Cement Co., 68 Wisconsin St., $13,500. Noted Feb. 28.

Unclassified

PROPOSED WORK

Hydro-Electric Development — Gouverneur, N. Y. — Village Bd. Trustees had plans prepared 200 hp. hydro-electric development. $100,000. Also plans high and low tension distribution systems and ornamental lighting system. L. C. Reynolds, Geneva, consult. engr.

Gas Mains and Transmission Lines—Bluefield, W. Va.—Bluefield Gas & Power Co. plans extensions to suburbs. $60,000.

Elimination of Grade Crossings—Alabama—See "Railways."

Electric Power Extensions—Tennessee—Tennessee Public Utilities Comn. approved $3,000,000 bond issue for Tennessee Electric Power Co. Hamilton Natl. Bank Bldg., Chattanooga, for plant extensions, improvements, new lines, etc. in various parts of state.

Recreation Field, etc.—Evansville, Ind.—City soon takes bids golf course, refreshment stands, locker rooms, shelter house, club house, etc., for Helfrich Recreation Field. $25,000. W. H. Elmendorf, mayor.

Gas Mains—La Salle, Ill.—See "Industrial Works."

Electrification — Texas — Texas Midland R.R., Terrell, making plans electrification 110 mi. from Ennis to Paris via Terrell. $1,750,000. L. G. Wells, genl. mgr.

Transmission Line—Oklahoma—Oklahoma Central Power Co., Muskogee, had surveys made 87 mi. 66,000 volt transmission line from Muskogee to Drumright. $300,000.

Unclassified (Continued)

Byllesly Eng. Co., 208 South La Salle St., Chicago, engrs.

Electrolier Lighting System — Chico, Calif.—Plans electrolier lighting system on portion Bway., Main and other streets. $25,000. F. A. Lammison, city engr.

Transit Sheds—Los Angeles, Calif.—City had plans prepared by J. W. Ludlow, Byrne Bldg., transit sheds at Berths 177 and 178, Mormon Channel. From $190,000 to $200,000.

Fountains—San Francisco, Calif.—City and San Francisco Co. plan two ornamental fountains in Civic Center. $100,000 each.

Gas Mains — Montreal, Que. — Montreal Light, Heat & Power Co., Craig St. W., plans 14,889 ft. 4, 6, 8 and 12 in. c.i. gas mains in 31 various streets, avenues, blvds. and roads. $33,640. E. S. Stanton, supt. gas distribution.

Electric Light and Power System—Ontario—Toronto Twp. Hydro Comn., Dixie, plans electric light and power systems in villages of Dixie, Cooksville, Lakeview and Lorne Park. $60,000. J. R. Kennedy, clk.

Power Lines—Ontario—Ontario Hydro Comn., London, plans to extend power line from Georgetown to Norval. $35,000.

Grain Elevator—Keewatin, Ont.—Lake of the Woods Milling Co., Lumsden Bldg., Toronto, plans reinforced and mass concrete grain elevator, concrete bins, etc., here. $750,000.

Pipe Line—Niagara Falls, Ont.—Hydro Electric Power Comn., 190 University Ave., Toronto, plans 3rd pipe line to Ontario Power Co. power house, here, concrete lined tunnel, 20 ft. diam., ⅝ mi. long in rock excav. $1,200,000. F. A. Gaby ch. engr.

Park Improvements—Toronto, Ont.—City Council plans to expend $810,000 extending and improving parks, grading and extending cinder, asphalt and concrete roads and drives, water piping, shelters, comfort stations, etc. R. C. Harris, city engr

BIDS DESIRED

Rein.-con. Floor—Buffalo, N. Y.—Mar. 11, by Dept. Parks and Buildings, City Hall, 6 in. rein.-con. floor in wading pool, (500 ft. diam.) in Humboldt Park, involves 3,650 cu.yd. rein.-con. $36,000.

Power and Lighting System—Annapolis, Md.—Mar. 11, by State Rds. Comn., Baltimore, power and lighting system on Severn River Bridge, near here. J. N. Mackall, chn.; adv. E. N.-R. Mar. 6.

Chimney, etc.—Rocky Mount, N. C.—Mar. 26, by T. T. Thorne, mayor, and Bd. Aldermen, power plant equipment, 225 ft. radial brick chimney, 11 ft. inside top diameter; 30 ton turbine room crane with motor hoist, 30 ft. span with rails, track girders, etc. W. C. Olson, Raleigh, consult. engr.

Levees—Mercedes, Tex.—Mercedes Dist. taking bids earthworth levees and concrete passages, etc. $100,000. F. W. Shaw, c/o Amer. Rio Grande Co., Brownsville, engr.

Electric Light and Power System — Grimsby, Ont.—Town taking bids electric light and power distributon system. $25,000 to $50,000. W. F. Randall, town clk.

BIDS RECEIVED

Grade Separation—Springwells, Mich.—Village, Schaefer Rd. grade separation on main line of Michigan Central R.R., here, incl. grading and paving 1,425 ft. pumping station, 3 span deck bridge of steel encased in concrete with rein.-con. piers and wall, from M. E. White Co., 130 North Wells St., Chicago, $389,000. Noted Jan. 31.

Retards—Missouri—State Hy. Dept., Jefferson City, two 100 ft., eight 150 ft. and eight 200 ft. current retards for Missouri River bank protection project in connection with bridge at Glasgow, Federal Aid Project 217, Howard and Saline Counties, from Wood Bros. Constr. Co., Lincoln, Neb., $189,000. Noted Feb. 14.

CONTRACTS AWARDED

Gas Holder — Pawtucket, R. I. — Pawtucket Gas Co., 233 Main St., steel gas holder, to Stone & Webster, 147 Milk St., Boston. $300,000.

Bulkhead—Bayonne, N. J.—Hudson Co. Park Comn., 1 Exchange Pl., Jersey City, bulkhead at Bayonne Park, here, to George B. Spearin, Inc., 90 West St., New York City, $230,950. Noted Feb. 14.

Car Barns and Sand House—Wheeling, W. Va.—Wheeling Traction Co., 1 North Huron St., car barns and sand house, 3rd St., to R. R. Kitchen Co., Natl. Bank of W. Va., Engrs. est. $50,000.

Sand and Gravel Bins—Madison, Wis.—Castle & Doyle Co., 125 State St., will build sand and gravel bins, etc., by day labor. P. Kronenberg, Carroll Blk., engr. Noted Feb. 14.

Stadium — Manhattan, Kan. — Kansas State Agricultural College rein.-con. and steel stadium, 7,000 seating capacity, to W. B. Stingley, Manhattan, $55,000. Additional sections to be let later.

Transmission Line—Oklahoma—Blackwell High Line Co., Blackwell, having surveys made 35 mi. 13,200 volt transmission line from Blackwell to Medford. $60,000. Work will be done by day labor. G. Bellatti, secy.

Foundation—Denver, Colo.—School Dist. 1, foundation for 3 story, 250 x 450 ft., to W. J. Cameron & Co., Chamber Commerce Bldg., $56,263.

Tunnel Lining — California — Southern Pacific R.R. Co., 65 Market St., San Francisco, will build concrete lining of tunnel, 2,000 ft. long, between Elmore and Pollock, by day labor. $50,000 per month will be appropriated until work is completed.

Street Lighting System — Bakersfield, Calif.—Electrolier system on portion Chester Ave., etc., to Robinson Electric Co., 1162 Bway., $26,600. Noted Feb. 21.

Lighting System—San Diego, Calif.—Ornamental lighting system on 7th, 8th, 9th, and 10th and other streets to Southern Electrical Co., 866 3rd St., $38,647.

Power Development — Montreal, Que. — Southern Power Co., 20 St. Nicholas St., developing power at Hemming Falls, to Foundation Co., Ltd., St. James St., $1,500,000.

Ferry Docks—Windsor, Ont.—Detroit & Windsor Ferry Co., two cement and steel ferry docks to Considine & Reid Ltd., Windsor. Engrs. est. $500,000.

Material and Equipment

PROPOSED WORK

Roller — Watertown, N. Y. — Bd. Pub. Wks. plans to purchase 10 ton steam driven roller. J. W. Ackerman, city mgr.

Paving Materials—Minneapolis, Minn.—Soon takes bids 100,000 sq.yd. 3½-in. creosoted wood block and 30,000 sq.yd. brick. N. W. Elsberg, city engr.

Road Machinery—Texas—State Bd. Control, c/o R. B. Walthall, Purchasing Div., Austin, returned all bids unopened for furnishing State Hy. Dept., Maintenance Div., with approximately $1,000,000 worth road machinery, pending litigation affecting maintenance law. When settled new bids will be called. Noted Feb. 7.

BIDS DESIRED

Asphalt, etc.—Holyoke, Mass.—May 6, by Bd. Pub. Wks., asphalt for penetration, cement, coal, cold patch, curbing, expansion joint, pitch, reinforcing rods, road oil, tar for penetration and trap rock for 1924 season. G. F. Stone, assistant clk.

Tractors—Albany, N. Y.—Bd. Contr. & Supply, in market for two 10 ton tractors. L. W. Herzog, comr. Pub. Wks.

Lime, etc.—Long Island City, N. Y.—Mar. 10, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 550 net tons lime to various disposal plants, also 5,000 cu.yd. white sand grit or broken stone chips of trap rock, 11,000 cu.yd. sand, 14,000 tons steam ashes, 864 ft. 12 in. iron pipe, 21,000 cu.yd. broken stone and screenings to Bureau of Highways as directed.

Rip Rap—New York, N. Y.—Mar. 10, by E. W. Buckley, comr. Purchase, Municipal Bldg., rip rap to Dept. Plant & Structures.

Cement, etc.—Cape May, N. J.—Mar. 13, cement, sand, gravel, reinforcing steel mesh and prepared joint filler. G. P. Wentzell, comr. streets and pub. impvts.; adv. E. N.-R. Mar. 6.

Oil and Tar—Trenton, N. J.—Mar. 11, by Bd. Freeholders Mercer Co., oil and tar for coming year, to treat 100 mi. road. $70,000. H. F. Harris, Court House, engr. Noted Feb. 7.

Steel Shed—Charleston, S. C.—Mar. 22, by Port Utilities Comn., at its office, Room 712, Peoples Bldg., steel shed on Union Pier. H. M. Gallagher, genl. mgr.; adv. E. N.-R. Mar. 6.

Rock—Jacksonville, Fla.—Mar. 10, by Duval Co., Court House Bldg., furnishing rock as follows: 500 to 3,000 tons of 2½ to 1¼ in.; 100 to 600 tons of 1 to ½ in.; 50 to 300 tons of ⅜ in. and down, f.o.b. Jacksonville. R. H. Carswell, Chn.

Cement — Alabama — Mar. 28, by State Hy. Comn., Montgomery, 66,000 bbl. Portland cement in cloth bags and 66,000 bbl. in paper bags, f.o.b. railroad cars at points on Louisville & Nashville R.R. between and incl. Calera and Clanton. W. S. Keller, state highway engr.

Crane — Birmingham, Ala. — Southern R.R. Co., Southern Bldg., Wash., D. C., in market for electric overhead crane for new shops, here.

Dump Trucks, etc. — Cleveland, O. — Comrs. Cuyahoga Co. in market for 2 and 3½ ton dump trucks, tractor, asphalt heater, road grading machine, and 3-wheel steam roller with scarifier. A. J. Heiber, clk.

Conveyor Equipment—Mingo Junction, O.—Carnegie Steel Co., Carnegie Bldg., Pittsburgh, Pa., in market for duplex hoisting and loading rigs, conveyor equipment, for dock, here.

Truck—Milwaukee, Wis.—Barry Transfer Co., 301 Jefferson St., taking bids 5 ton dump truck.

Lumber, etc.—Toledo, Ia.—Mar. 11, by Tama Co., 7 cars bridge lumber, 5,800 ft. culvert pipe, alternate bids on concrete and corrugated metal pipe. L. W. Croft, Toledo, engr.

Lumber, etc.—Waterloo, Ia.—Mar. 10, by Black Hawk Co., 5 cars full sawn bridge lumber and 8,404 ft. culvert pipe. Alternate bids on corrugated metal pipe and concrete pipe. W. D. Johnston, Waterloo, engr.

Reinforcing Steel — Minnesota — See "Bridges" under "Contracts Awarded."

Paving Materials—St. Paul, Minn.—Mar. 11, by H. W. Austin, city purch. agt., materials for paving various streets, 86,428 sq.yd. 3-in. vertical fibre brick, also portland cement, reinforcing steel, etc. G. M. Shepard, city engr.

Scarifying Grader — Winona, Minn. — Mar. 17, by A. Baeuerlen, aud. Winona Co., one 9,300-lb. Rip Snorter scarifying grader. E. P. Effertz, Winona, engr.

Clamshell Bucket and Sidewalk Tile—St. Paul, Minn.—Mar. 11, by H. W. Austin, city purch. agt. 1 clamshell bucket, two thousand 18-in. and ten thousand 24-in. square cement sidewalk tile. G. M. Shepard, city engr.

BIDS RECEIVED

Granite Paving Blocks, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., Feb. 28, 50,000 granite paving blocks, from St. George Granite Co., 90 West St., $7,425; 500 tons asphalt filler and 30,000 gal. gasoline, from Standard Oil Co., 26 Bway., $9,450 and $6,000 respectively; 4,000 cu.yd. coarse aggregate, from Seaboard Sand & Gravel Corp., 26 Cortlandt St., $9,200; 3,000 tons inorganic dust, from New York Trap Rock Corp., 101 Park Ave., $18,720; 3,000 cu.yd. concrete sand, from Gallagher-Shand, Inc., 420 East 105th St., $4,950; 6,000 cu.yd. binder stone, from Calvin Tompkins & Co., 30 Church St., $11,580; one tandem steam roller, from Buffalo Springfield Roller Co., 150 Nassau St., $2,813. Noted Feb. 21.

Fibre Conduit — Baltimore, Md. — Bd. Awards, Feb. 20, 50,000 ft. more or less 3-in. fibre conduit, from Johns-Manville Co., 334 North Charles St., $79.35 per 1,000 ft. Noted Feb. 14.

CONTRACTS AWARDED

Sand Grits—New York, N. Y.—H. Bruckner, pres. Bronx Boro. 3rd and Tremont Aves., 7,500 cu.yd. sand grits, to Ames Building Material Co., 3437 Kingsbridge Rd., $16,800. Noted Feb. 21.

Paving Brick — Detroit, Mich. — Dept. Pub. Wks., City Hall, furnishing 400,000 paving bricks 3 x 3.5 x 8.5 in., to Metropolitan Paving Brick Co., Renkert Bldg., Canton, O., $38.50 per M.

Lumber, etc.—Adel, Ia.—Dallas Co., 2,240 ft. corrugated culvert metal, to Iowa Pure Iron Co., East 8th and Elm Sts., Des Moines, $3,016, 139,347 ft. lumber, to Wheeler Lumber, Bridge & Supply Co., 200 Southwest 9th St., Des Moines, $5,341. 4,400 ft. vitr. clay pipe, to National Sewer Pipe Co., Webster City, $2,156.

Lumber, Piling, etc. — Denison, Ia. — Crawford Co. 334,687 ft. lumber and 4,435 ft. piling, to Nebraska Bridge Supply & Lumber Co., 448 Peters Trust Bldg., Omaha, Neb., $14,424; 900 ft. concrete pipe to Wickham Bridge Co., 27 South 19th St., Council Bluffs, $2,085; 7,227 ft. corrugated culvert to Klauer Mfg. Co., 9th and Washington Sts., Dubuque, $11,765.

Portland Cement—St. Paul, Minn.—H. W. Austin, city purch. agt., 1,550 bbl. portland cement for Dept. Pub. Wks., to Capital City Lime & Cement Co., 1415 Marshall Ave., $2.52 per bbl. on cars. Noted Jan. 31.

Wood Block, Limestone Dust, etc.—St. Paul, Minn.—H. W. Austin, city purch. agt., 1,200 sq.yd. 3½-in. cresoted wood block, to Republic Creosoting Co., St. Louis Park, $2.60 per sq.yd.; 170 tons limestone dust, to Gopher Stone Co., 1500 Johnson St., Minneapolis, $5.50 per ton; manhole frames and covers, to Washington Fdry. & Machine Wks., Washington and Eagle Sts., 72 manhole frames Diam. A $8.15 each, 50 manhole covers, Diam. B $3.50 each, 75 manholes covers, Diam. C $3.50 each. Noted Feb. 28.

Sand—Jefferson City, Mo.—State Hy. Dept., 100,000 tons sand, to Wood Bros. Constr. Co., Lincoln, Neb., $0.20 per ton.

Asphaltum, etc.—Spokane, Wash.—City Council, 800 tons D grade asphaltum and 50,000 gal. fuel oil, to Standard Oil Co., Realty Bldg., $11 per ton f.o.b. refinery, Richmond, Calif. and $1.45 per bbl. respectively.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: March 14.

Steel Bridge

BERKSHIRE AVENUE BRIDGE
Springfield, Mass.

Sealed proposals for the furnishing, fabricating and delivery at the bridge site, but not including erecting, of structural steel of a 66' 0" span bridge at Berkshire Avenue over the Boston and Albany Railroad, Springfield, Massachusetts, will be received at the office of the City Clerk, Room 105, Administration Building, Springfield, Massachusetts, until twelve o'clock noon, March 14, 1924. All proposals must be made upon the blank form attached hereto, and the envelope containing the same, sealed and addressed to the Board of Supervisors, care of the City Clerk, Administration Building, Springfield, Massachusetts, and conspicuously endorsed "Proposal for Steelwork, Berkshire Avenue Bridge, over the Boston and Albany Railroad."

Each proposal must be accompanied either by a certified check made payable to the order of the Treasurer of the City of Springfield, Massachusetts, in the amount of One Thousand ($1,000) Dollars, or by a voucher showing that an equal sum of money has been deposited with the Treasurer of the City of Springfield, Massachusetts, as a guarantee that the bidder will enter into the proposed contract within the time specified. Should any bidder whose proposal has been accepted by the City refuse or neglect to enter into contract for the performance of the work and furnish a satisfactory bond therefor, the City shall deduct from said check or sum of money an amount equal to the difference between such accepted bid and the amount of the contract as let. This deduction will be in the form of liquidated damages to the City of Springfield, and not in the form of a penalty. The checks accompanying rejected bids will be promptly returned to the bidders upon the signing of the contract.

Plans, specifications, proposal blanks, and form of contract may be obtained at the office of the Superintendent of The Department of Streets and Engineering, Room No. 326, Administration Building, Springfield, Massachusetts. All contract forms and specifications must be returned with the proposals.

The steelwork consists of twelve plate girders with struts and bracing, bearing plates, etc., and is estimated as weighing approximately 273,220 lbs. All bids will be on a lump sum basis for work shown on the above described plans with a price per pound for any incidental material furnished in addition to that shown on plans.

The accepted bidder will be required to furnish a satisfactory surety company bond in the amount of Ten Thousand ($10,000) Dollars to be executed by a Surety Company authorized to do business within the Commonwealth of Massachusetts, and all bidders must furnish the name and address of such a Surety Company which will furnish said bond.

Bidders shall, upon request, furnish the Board of Supervisors with adequate evidence of their ability to correctly and expeditiously perform the work if awarded the contract.

The Board of Supervisors expressly reserves the right to reject any or all proposals and the right to acept any proposal or to award the work as deemed for the best interests of the City. Written notification of the acceptance of any proposal sent by Registered Mail to the address given on the proposal form shall be considered an adequate notice of the award of the contract.

Department of Streets and Engineering.
By ROBERT P. MARSH,
Superintendent.

OFFICIAL PROPOSALS

Bids: March 14.

Street Improvement

West Allis, Wis.

Office of the Acting Board of Public Works, West Allis, Wis., February 28th, 1924. Sealed proposals will be received at this office until March 14th, 1924, at 7:30 o'clock p.m. of that day for furnishing all material and doing all the work necessary and required to improve the following avenues in the City of West Allis, Wisconsin, to wit:

49th Avenue from National Avenue to Rogers Street.

49th Avenue from National Avenue to Thomas Avenue.

52nd Avenue from Lapham Street to Mitchell Street.

54th Avenue from National Avenue to Burnham Street.

60th Avenue from C. & N. W. Rt. of Way to Lincoln Avenue.

61st Avenue from Mitchell Street to Lincoln Avenue.

62nd Avenue from National Avenue to Greenfield Avenue.

56th Avenue from Burnham Street to Mitchell Street.

65th Avenue from C. & N. W. Rt. of Way to George Street.

66th Avenue from George Street to Wood Street.

74th Avenue from Scott Street to John Street.

76th Avenue from George Street to John Street.

77th Avenue from Greenfield Avenue to Lincoln Avenue.

67th Avenue from Shenners Avenue to No. Line of Fairview Park.

51st Avenue from No. City Limits to Beloit Road.

National Avenue from 47th Avenue to 51st Avenue.

Bids will be received on the following kinds of pavement:

A Sheet Asphalt pavement with binder (heavy traffic).

A Sheet Asphalt pavement with binder (light traffic).

A Concrete wearing surface.

Vibrolithic concrete pavement.

The successful bidder will be required to commence the work of performing this contract on the 15th day of May, 1924, and the whole said work must be completed on or before September 15th, 1924.

The approximate number of square yards of pavement to be laid is 105,500, the approximate number of cubic yards of cut is 29,869, and the approximate number of cubic yards of fill is 10,243.

For detailed information and copy of official advertisement communicate with the Superintendent of Public Works of the City of West Allis.

The right is especially reserved to reject any and all bids.

A. L. WICHNER,
Superintendent of Public Works.

Bids: March 22.

Steel Shed

PORT UTILITIES COMMISSION
Charleston, S. C.

Sealed proposals will be received by the Port Utilities Commission of Charleston, S. C., at its office, Room 712, Peoples Building, until noon, March 22, 1924, and then publicly opened, for furnishing, erecting and painting structural steel for a Steel Shed on Union Pier, Charleston, S. C.

Specifications and proposal forms will be furnished to prospective bidders on deposit of $5.00, which will be refunded to depositors on return of sets. Further information on application.

H. M. GALLAGHER,
General Manager.

February 27, 1924.

OFFICIAL PROPOSALS

Bids: March 6.

Bituminous Concrete Road

Providence, R. I.

Sealed proposals for building a bituminous concrete road about 4 miles in length in the Town of Scituate, R. I., extending from the existing Plainfield Pike at a point about ½ mile southeast of the Village of Ashland and 10 miles west of the City of Providence to the recently completed North Scituate-Rockland Road at a point about ¾ mile east of the Village of Ponaganset, will be received at the office of the Water Supply Board, City Hall, Providence, R. I., until 2:30 p.m. on Wednesday, March 26, at which time and place they will be publicly opened and read.

The work will include grading, culverts, a 2-inch bituminous concrete surfacing, guard rails and other necessary appurtenances. The principal estimated quantities are:

Earth excavation and borrow	58,000 cu.yds.
Rock excavation	13,000 cu.yds.
Concrete	320 cu.yds.
Stone foundation	7,600 cu.yds.
Gravel foundation	7,000 cu.yds.
Crushed stone base	14,000 tons
Bituminous surfacing	38,000 sq.yds.
Asphalt cement	350 tons
Wooden guard rails	13,000 lin.ft.

Pamphlets containing plans, information for bidders, form of proposal, contract and bond, specifications and drawings may be obtained from the Secretary of the Board, City Hall, or from the Chief Engineer, 661 Westminster Street, Providence, R. I.

B. THOMAS POTTER,
Chairman.
City of Providence, Water Supply Board.
SAMUEL N. GRAMMONT,
Secretary.
FRANK E. WINSOR,
Chief Engineer.

Bids: March 11.

Tunnels, Bridge and Heating Work

Sonyea, N. Y.

Sealed proposals for Construction—Tunnels and Bridge and Heating Work—Additional Heating System for Villa Flora Group, School and Laundry, Craig Colony, Sonyea, N. Y., will be received by Hon. Percy L. Lang, President, Board of Managers, Craig Colony, Sonyea, N. Y., until 2 o'clock p.m., on Tuesday, March 11, 1924, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit consisting of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York, or money, equal to five per cent (5%) of the amount of the proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 4256 and 4257. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Craig Colony, Sonyea, N. Y., at the New York office of the Department of Architecture, 18th Floor, Fuller Building, Broadway and 23rd Sts., and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, Sullivan W. Jones, Capitol, Albany, N. Y.

Dated: February 13, 1924.